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COLORADO AGRICULTURAL STATISTICS

1997

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ANNUAL REPORT
COLORADO DEPARTMENT OF AGRICULTURE
FISCAL YEAR 1996-97

The map shows the following county distributions by region:

- NORTHWEST**: MOFFAT, ROUTT, RIO BLANCO, GARFIELD, MESA, DELTA, MONTROSE.
- NORTHEAST**: JACKSON, LARIMER, WELD, LOGAN, PHILLIPS, GRAND, BOULDER, MORGAN, YUMA.
- EAST CENTRAL**: ADAMS, ARAPAHOE, WASHINGTON, DOUGLAS, ELBERT, LINCOLN, KIT CARSON, CHEYENNE, KIOWA, CROWLEY, OTERO, BENT, PROWERS.
- SOUTHWEST**: MONTEZUMA, LA PLATA, SAN MIGUEL, DOLORES, SAN JUAN, HINSDALE, MINERAL, ARCHULETA.
- SOUTHEAST**: LAS ANIMAS, BACA, COSTILLA, HUERFANO, ALAMOSA, CONEJOS, RIO GRANDE.
- MOUNTAINS AND VALLEYS**: PITKIN, EAGLE, SUMMIT, GILPIN, CLEAR CREEK, LAKE, PARK, CHAFFEE, GUNNISON, SAGUACHE, FREMONT, CUSTER, PUEBLO.

COLORADO

Approximate Land Area: 66.4 Million Acres *

Approximate Cropland Area: 10.9 Million Acres *

Approximate Irrigated Area: 3.2 Million Acres *

Number of Farms and Ranches (1996): 24,500

Land in Farms and Ranches (1996): 32.5 Million Acres

Average Size of Farm and Ranch (1996): 1,327 Acres

82%	Individual
11%	Partnership
6%	Corporate
1%	Other

54% Full Owners
32% Part Owners
14% Tenants

59% Livestock & Poultry
41% Crops

Farm Marketing Receipts (1995):	\$3,984.5	Million
Livestock & Livestock Products:	2,623.7	Million (65.8% of the total)
Field, Fruit, & Vegetable Crops:	1,360.8	Million (34.2% of the total)

COLORADO AGRICULTURAL STATISTICS

1996 Preliminary - 1995 Revised
and
Annual Report 1996-97
Colorado Department of Agriculture

Issued Cooperatively By

U.S. DEPARTMENT OF AGRICULTURE



NATIONAL
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SERVICE



COLORADO
DEPARTMENT
OF AGRICULTURE

DONALD M. BAY, Administrator

THOMAS A. KOURLIS, Commissioner

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Special appreciation for funding the color cover on this publication and contributing to the "Colorado Corn Story" on pages 26 and 27 is extended to:

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Roy Romer
Governor
Thomas A. Kourlis
Commissioner
Robert G. McLavey
Deputy Commissioner

July, 1997

Dear Friends,

Colorado's 1996 agricultural production was marked with volatility in production and prices. Cattle producers saw prices tumble to their lowest level in ten years. Potato growers saw record low prices by the year end. Wheat producers lost over 25% of their acreage to drought and hail; consequently, some received record high prices in April. Corn, sorghum, barley, hay and lamb producers saw prices reach record high levels during the year.

This 1997 Colorado Agricultural Statistics book gives us the opportunity to make decisions on facts, not perceptions. With such volatile production and prices, the statistics help the agricultural industry and others keep abreast of the delicate balance between supply and demand, and make decisions about production, marketing and investments.

The Colorado Department of Agriculture's Annual Report, summarizing the department's responsibilities, activities and services is published in the back of this book. The Colorado Department of Agriculture is committed to strengthening agriculture's future; providing consumer protection; promoting environmental quality and animal health; and ensuring equity and integrity in business and government.

This publication was made possible by support throughout the agricultural industry. Special thanks to the Colorado Corn Administrative Committee for their contribution.

Sincerely,

Thomas A. Kourlis
Commissioner

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Rank in Agriculture: Colorado's rank among states, 1996

Commodity	Unit	Colorado		Leading State		United States total
		Rank	Production	State	Production	
FIELD CROPS:						
Barley	1,000 bu.	8	9,936	North Dakota	143,000	396,851
Beans, dry edible	1,000 cwt.	5	2,250	North Dakota	7,524	27,354
Corn, grain	1,000 bu.	14	133,480	Iowa	1,718,000	9,293,435
Corn, silage	1,000 tons	12	1,935	Wisconsin	11,245	83,094
Hay, all	1,000 tons	17	4,054	South Dakota	8,200	149,457
Hay, alfalfa	1,000 tons	12	3,010	California	6,580	79,377
Hay, other	1,000 tons	23	1,044	Texas	7,140	70,080
Oats	1,000 bu.	20	1,820	South Dakota	21,600	155,225
Potatoes, all	1,000 cwt.	3	31,987	Idaho	139,960	497,119
Potatoes, fall	1,000 cwt.	6	28,786	Idaho	139,960	452,039
Potatoes, summer	1,000 cwt.	1	3,201	Colorado	3,201	19,375
Rye	1,000 bu.	19	75	Georgia	1,820	9,016
Sorghum, grain	1,000 bu.	8	13,260	Kansas	354,200	802,974
Sorghum, silage	1,000 tons	6	156	Kansas	1,680	4,356
Sugar beets	1,000 tons	7	1,032	Minnesota	7,971	26,570
Sunflowers, all	1,000 lbs.	5	126,800	North Dakota	1,733,750	3,586,615
Sunflowers, oil varieties	1,000 lbs.	5	63,800	North Dakota	1,335,000	2,872,401
Sunflowers, non-oil varieties	1,000 lbs.	3	63,000	North Dakota	398,750	714,214
Wheat, all <u>1/</u>	1,000 bu.	9	75,500	North Dakota	395,130	2,281,763
Wheat, spring <u>2/</u>	1,000 bu.	8	5,100	North Dakota	313,500	687,875
Wheat, winter	1,000 bu.	6	70,400	Kansas	255,200	1,478,048
VEGETABLES: <u>3/</u>						
Cabbage	1,000 cwt.	7	858	New York	4,800	24,299
Cantaloupe	1,000 cwt.	6	340	California	12,980	22,119
Carrots	1,000 cwt.	2	1,435	California	19,800	27,033
Corn, sweet	1,000 cwt.	8	891	Florida	5,629	22,730
Cucumbers (P)	Tons	10	7,200	Michigan	137,800	575,720
Lettuce	1,000 cwt.	3	594	California	47,425	65,852
Onions (storage only)	1,000 cwt.	4	5,525	Oregon	9,474	46,720
Spinach	1,000 cwt.	4	150	California	1,346	1,950
Tomatoes (P)	Tons	6	3,900	California	10,660,780	11,408,740
FRUITS:						
Apples	Mil lbs.	23	35	Washington	5,500	10,434
Cherries, tart	Mil lbs.	8	1.0	Michigan	195	270
Peaches	Mil lbs.	5	17	California	1,726	2,070
Pears	Tons	8	1,200	Washington	295,000	778,750
LIVESTOCK: <u>4/</u>						
All cattle & calves	1,000 head	10	3,150	Texas	14,100	101,209
All cows <u>5/</u>	1,000 head	17	910	Texas	5,850	43,561
Beef cows <u>5/</u>	1,000 head	15	826	Texas	5,460	34,280
Milk cows <u>5/</u>	1,000 head	28	84	Wisconsin	1,410	9,281
Milk production, 1996	Mil lbs.	21	1,633	California	25,859	154,268
Calf crop, 1996	1,000 head	16	870	Texas	5,250	39,586
Cattle on feed <u>6/</u>	1,000 head	4	1,130	Texas	2,630	13,216
Fed cattle marketings <u>7/</u>	1,000 head	4	2,320	Texas	5,500	22,025
All sheep & lambs	1,000 head	4	575	Texas	1,400	7,937
Breeding sheep & lambs	1,000 head	7	250	Texas	1,150	5,850
Lamb crop, 1996	1,000 head	8	240	Texas	810	5,282
Market sheep & lambs	1,000 head	2	325	California	480	2,087
Wool production, 1996	1,000 lbs.	4	4,318	Texas	9,900	56,669
All hogs & pigs	1,000 head	17	630	Iowa	12,200	56,171
Pig crop, 1996	1,000 head	16	1,434	Iowa	17,508	94,972
All chickens	1,000 head	26	4,080	Ohio	30,800	386,418
All layers	1,000 head	26	3,343	California	26,650	303,248
Egg production, 1996	Million	27	827	California	6,569	76,148
MISCELLANEOUS:						
Farms, 1996	Number	30	24,500	Texas	205,000	2,063,010
Land in farms	1,000 acres	12	32,500	Texas	127,000	968,048
Average size of farm	Acres	8	1,327	Arizona	4,720	469

1/ Includes Durum wheat. 2/ Excludes Durum wheat. 3/ Fresh market except where noted as processing (P). 4/ Inventory January 1, 1997 for cattle and sheep; December 1, 1996 for hogs and chickens. 5/ Cows and heifers that have calved. 6/ As of 1/1/97. 7/ 13 major feeding states.

Farms, land in farms, and average size, Colorado and U. S. , 1987-96

Year	Colorado			United States		
	Farms <u>1/</u>	Land in farms	Average size	Farms <u>1/</u>	Land in farms	Average size
	Number	1,000 Acres	Acres	Number	1,000 Acres	Acres
1987	27,000	34,000	1,259	2,212,960	998,923	451
1988	27,300	33,700	1,234	2,200,940	994,423	452
1989	27,000	33,500	1,241	2,174,520	990,723	456
1990	26,500	33,100	1,249	2,145,820	986,850	460
1991	26,000	32,800	1,262	2,116,760	981,736	464
1992	25,500	32,800	1,286	2,107,840	978,503	464
1993	25,500	32,800	1,286	2,083,430	976,463	469
1994	25,300	32,700	1,292	2,064,720	973,403	471
1995	25,000	32,700	1,308	2,071,520	972,253	469
1996	24,500	32,500	1,327	2,063,010	968,048	469

1/ Places with annual sales of agricultural products of \$1,000 or more.

Livestock Operations: Number by type, Colorado, 1988-96

Year	All cattle operations	Beef cow operations <u>1/</u>	Milk cow operations <u>1/</u>	Cattle feedlots <u>1/ 2/</u>	Sheep operations	Hog operations
	Number					
1988	15,000	11,000	1,800	295	2,400	2,500
1989	15,000	10,800	1,700	295	2,300	2,400
1990	15,000	10,800	1,700	285	2,200	2,000
1991	14,500	10,500	1,400	295	2,000	1,800
1992	14,000	10,500	1,300	295	1,900	1,600
1993	13,000	10,500	1,300	295	1,800	1,600
1994	13,000	10,500	1,100	290	1,600	1,600
1995	13,000	10,000	1,000	290	1,300	1,400
1996	12,500	9,500	900	166	1,300	1,100

1/ Included in all cattle operations.

2/ Beginning 1996 includes only feedlots with 1,000 head capacity or greater.

Cattle: Percent of operations and inventory by size group, by class, Colorado, 1991-96

Year/Class	Operations having				Inventory on operations having			
	1-49 Head	50-99 Head	100-499 Head	500+ Head	1-49 Head	50-99 Head	100-499 Head	500+ Head
	Percent				Percent			
1991								
All Cattle & Calves	47.0	18.0	28.0	7.0	4.0	6.0	30.0	60.0
Beef Cows	59.0	16.0	25.0	<u>1/</u>	13.0	13.0	74.0	<u>1/</u>
1992								
All Cattle & Calves	47.0	16.0	29.0	8.0	4.0	5.0	28.0	63.0
Beef Cows	59.0	16.0	25.0	<u>1/</u>	13.0	13.0	74.0	<u>1/</u>
1993								
All Cattle & Calves	43.8	16.2	31.5	8.5	3.5	4.5	27.0	65.0
Beef Cows	60.0	16.2	21.9	1.9	13.0	14.0	53.0	20.0
1994								
All Cattle & Calves	43.8	15.4	32.3	8.5	3.4	4.6	28.0	64.0
Beef Cows	60.0	16.2	21.9	1.9	13.0	14.0	53.0	20.0
1995								
All Cattle & Calves	43.8	15.4	32.3	8.5	3.0	4.0	28.0	65.0
Beef Cows	58.0	14.0	26.0	2.0	11.0	12.0	57.0	20.0
1996								
All Cattle & Calves	44.0	14.4	32.8	8.8	3.2	3.8	29.0	64.0
Beef Cows	55.8	15.8	25.8	2.6	11.0	12.0	54.0	23.0

1/ Not estimated.

Planted acreage, principal crops, Colorado, 1971-96

Year	All Wheat ^{1/}	All Corn	All Sorghum	Barley	Oats	Rye	Dry Beans	Sugar Beets	All Sunflowers	All Hay	All Potatoes	Vege- tables	Total ^{2/}
Thousand Acres													
1971	2,373	755	550	362	150	220	211	148.6	...	...	44.0	26.5	6,280.1
1972	2,474	740	535	291	130	75	211	152.5	...	...	39.5	26.3	6,139.3
1973	2,731	795	440	289	130	71	193	122.8	...	...	37.7	26.5	6,375.0
1974	3,097	795	470	252	115	35	182	128.6	...	...	41.2	27.3	6,543.1
1975	3,074	810	510	245	110	21	205	162.7	...	...	40.4	24.1	6,667.2
1976	3,150	895	505	275	114	35	180	124.0	...	...	44.6	24.9	6,827.5
1977	3,030	970	475	300	115	30	165	77.0	...	...	44.0	26.3	6,647.3
1978	3,038	1,015	500	260	121	30	175	89.0	...	...	48.5	27.8	6,774.3
1979	3,245	1,015	490	295	115	20	175	76.0	...	...	47.1	28.4	7,046.5
1980	3,554	970	490	265	100	10	220	94.0	...	...	43.0	26.2	7,272.2
1981	3,511	960	455	284	74	15	230	80.0	...	...	47.5	26.8	7,033.3
1982	3,350	980	385	225	90	17	190	50.0	...	...	52.5	19.8	6,719.3
1983	3,865	780	295	232	115	12	155	42.0	...	...	54.0	20.9	7,040.9
1984	3,875	840	500	350	130	15	195	48.3	...	...	60.8	23.8	7,467.9
1985	3,774	875	370	360	115	13	210	2.9	...	...	64.1	25.4	7,254.4
1986	3,360	820	380	390	90	15	191	37.8	...	...	63.9	21.8	6,779.5
1987	3,160	800	400	230	100	18	185	37.4	...	...	67.5	23.4	6,521.3
1988	2,554	910	270	185	110	18	160	39.1	...	...	66.2	24.5	5,986.8
1989	2,775	1,050	400	190	95	25	195	40.6	...	...	68.8	22.9	6,362.3
1990	2,742	950	270	155	90	15	245	40.8	...	...	72.8	23.2	6,153.8
1991	2,638	995	320	140	88	15	190	40.7	63	...	78.0	24.8	6,092.5
1992	2,700	990	230	130	80	10	164	40.2	70	...	73.4	32.5	6,000.1
1993	2,835	1,005	210	100	80	11	205	40.3	85	...	80.8	35.6	6,087.7
1994	2,945	995	200	90	75	25	205	44.3	100	...	83.5	38.6	6,131.4
1995	2,940	950	200	110	95	15	190	42.8	115	...	86.3	40.4	6,144.5
1996	3,070	1,050	290	100	80	28	145	54.8	110	...	87.9	39.9	6,495.6

^{1/} Planted for harvest in year shown. Winter wheat sown fall preceding year.

^{2/} Includes harvested acres for all hay.

Harvested acreage, principal crops, Colorado, 1971-96

Year	All Wheat	All Corn	All Sorghum	Barley	Oats	Rye	Dry Beans	Sugar Beets	All Sunflowers	All Hay	All Potatoes	Vege- tables	Total
Thousand Acres													
1971	2,132	726	495	315	57	86	200	138.9	...	1,440	43.1	23.6	5,656.6
1972	2,165	726	490	239	37	12	192	133.8	...	1,465	38.6	23.8	5,522.2
1973	2,605	777	420	268	46	15	188	113.7	...	1,539	37.0	23.4	6,032.1
1974	2,900	785	425	200	31	6	177	125.7	...	1,400	40.6	24.0	6,114.3
1975	2,498	801	470	230	42	4	200	154.9	...	1,465	39.7	22.1	5,926.7
1976	2,440	883	445	245	50	7	175	121.0	...	1,480	43.8	22.8	5,912.6
1977	2,576	950	455	250	31	4	140	72.0	...	1,415	43.3	22.7	5,959.0
1978	2,523	990	465	230	40	5	160	84.0	...	1,470	47.8	25.4	6,040.2
1979	2,641	1,005	460	275	50	3	165	73.0	...	1,540	46.4	26.4	6,284.8
1980	3,400	959	465	245	33	2	215	91.0	...	1,500	42.3	24.4	6,976.7
1981	3,108	950	425	270	26	3	225	77.0	...	1,350	46.8	24.9	6,505.7
1982	2,958	970	366	215	40	2	185	46.0	...	1,360	51.9	17.7	6,211.6
1983	3,063	771	285	220	42	2	150	37.2	...	1,470	53.3	19.4	6,112.9
1984	3,270	838	478	325	50	1	190	44.2	...	1,430	60.1	22.6	6,708.9
1985	3,522	874	353	340	55	2	205	2.5	...	1,445	63.4	23.9	6,885.8
1986	2,955	805	319	350	40	2	185	37.2	...	1,410	63.9	20.1	5,187.2
1987	2,555	795	228	220	50	3	180	37.0	...	1,500	66.3	22.2	5,656.5
1988	2,352	905	202	175	60	6	155	38.6	...	1,650	65.6	23.0	5,632.2
1989	2,270	1,045	350	160	55	4	185	40.0	...	1,500	68.2	22.3	5,699.5
1990	2,590	947	240	150	45	3	225	40.0	...	1,550	72.2	22.4	5,884.6
1991	2,336	990	292	130	30	3	180	40.2	60	1,500	74.9	23.2	5,659.3
1992	2,397	980	200	120	26	2	159	39.9	67	1,480	72.7	30.4	5,574.0
1993	2,583	990	192	90	23	1	185	40.0	77	1,400	80.4	33.9	5,695.3
1994	2,592	987	188	83	24	2	195	43.2	95	1,330	83.0	36.1	5,658.3
1995	2,738	935	178	100	33	2	165	41.1	110	1,360	85.9	36.7	5,784.7
1996	2,268	1,030	272	92	35	3	125	51.1	107	1,440	87.5	36.7	5,547.3

Field Crops: Acreage, production and value, Colorado, 1980-96

Year	Acreage		Yield per acre		Production	Value per unit	Total value		
	Planted	Harvested	Planted	Harvested					
All Wheat	1,000 Acres	1,000 Acres	Bushels	Bushels	1,000 Bushels	Dollars Per Bu	1,000 Dollars		
	1980	3,554	3,400	31.0	32.4	110,300	3.70	407,769	
	1981	3,511	3,108	25.0	28.3	87,877	3.58	314,758	
	1982	3,350	2,958	25.4	28.7	84,984	3.35	284,547	
	1983	3,865	3,063	31.6	39.9	122,103	3.24	395,260	
	1984	3,875	3,270	29.7	35.2	115,020	3.19	366,549	
	1985	3,774	3,522	36.9	39.6	139,302	2.77	386,517	
	1986	3,360	2,955	28.7	32.6	96,430	2.26	217,730	
	1987	3,160	2,555	30.8	38.1	97,380	2.51	244,751	
	1988	2,554	2,352	31.1	33.8	79,540	3.69	293,248	
	1989	2,775	2,270	22.4	27.4	62,100	3.66	227,401	
	1990	2,742	2,590	31.7	33.6	86,950	2.46	214,235	
	1991	2,638	2,336	28.1	31.7	74,000	3.07	227,126	
	1992	2,700	2,397	27.5	30.9	74,119	3.15	232,932	
	1993	2,835	2,583	34.2	37.5	96,990	3.21	310,335	
	1994	2,945	2,592	27.1	30.8	79,734	3.48	276,828	
	1995	2,940	2,738	35.8	38.4	105,260	4.64	488,528	
	1996	3,070	2,268	24.6	33.3	75,500	4.00	310,775	
	Winter Wheat	1,000 Acres	1,000 Acres	Bushels	Bushels	1,000 Bushels	Dollars Per Bu	1,000 Dollars	
		1980	3,500	3,350	30.5	32.0	107,200	3.70	396,640
		1981	3,450	3,050	24.5	27.5	83,875	3.59	301,111
		1982	3,300	2,910	24.5	28.0	81,480	3.34	272,143
		1983	3,800	3,000	31.0	39.0	117,000	3.23	377,910
		1984	3,800	3,200	29.0	34.5	110,400	3.18	351,072
		1985	3,700	3,450	36.5	39.0	134,550	2.76	371,358
		1986	3,300	2,900	28.0	32.0	92,800	2.25	208,800
1987		3,100	2,500	30.0	37.5	93,750	2.51	235,313	
1988		2,500	2,300	30.5	33.0	75,900	3.69	280,071	
1989		2,700	2,200	21.0	26.0	57,200	3.68	210,496	
1990		2,700	2,550	31.0	33.0	84,150	2.47	207,851	
1991		2,600	2,300	27.5	31.0	71,300	3.07	218,891	
1992		2,650	2,350	26.5	30.0	70,500	3.15	222,075	
1993		2,800	2,550	33.5	37.0	94,350	3.21	302,864	
1994		2,900	2,550	26.5	30.0	76,500	3.48	266,220	
1995		2,900	2,700	35.5	38.0	102,600	4.65	477,090	
1996		3,000	2,200	23.5	32.0	70,400	4.15	292,160	
Spring Wheat		1,000 Acres	1,000 Acres	Bushels	Bushels	1,000 Bushels	Dollars Per Bu	1,000 Dollars	
		1980	54	50	57.5	62.0	3,100	3.59	11,129
		1981	61	58	65.5	69.0	4,002	3.41	13,647
		1982	50	48	70.0	73.0	3,504	3.54	12,404
		1983	65	63	78.5	81.0	5,103	3.40	17,350
		1984	75	70	61.5	66.0	4,620	3.35	15,477
		1985	74	72	64.0	66.0	4,752	3.19	15,159
		1986	60	55	60.5	66.0	3,630	2.46	8,930
	1987	60	55	60.5	66.0	3,630	2.60	9,438	
	1988	54	52	67.5	70.0	3,640	3.62	13,177	
	1989	75	70	65.5	70.0	4,900	3.45	16,905	
	1990	42	40	66.5	70.0	2,800	2.28	6,384	
	1991	38	36	71.0	75.0	2,700	3.05	8,235	
	1992	50	47	72.5	77.0	3,619	3.00	10,857	
	1993	35	33	75.5	80.0	2,640	2.83	7,471	
	1994	45	42	72.0	77.0	3,234	3.28	10,608	
	1995	40	38	66.5	70.0	2,660	4.30	11,438	
	1996	70	68	72.9	75.0	5,100	3.65	18,615	

Field Crops: Acreage, production and value, Colorado, 1980-96

Year	Acreage		Yield per acre		Production	Value per unit	Total value	
	Planted	Harvested	Planted	Harvested				
1980	Corn for Grain <u>1/</u>							
	1,000 Acres	1,000 Acres	Bushels	Bushels	1,000 Bushels	Dollars Per Bu	1,000 Dollars	
	970	760	<u>2/</u>	118.0	89,680	3.06	274,421	
	960	770	<u>2/</u>	135.0	103,950	2.50	259,875	
	980	790	<u>2/</u>	129.0	101,910	2.75	280,253	
	780	610	<u>2/</u>	122.0	74,420	3.17	235,911	
	840	680	<u>2/</u>	134.0	91,120	2.66	242,379	
	875	745	<u>2/</u>	139.0	103,555	2.37	245,425	
	820	710	<u>2/</u>	145.0	102,950	1.60	164,720	
	800	690	<u>2/</u>	155.0	106,950	1.95	208,553	
	910	800	<u>2/</u>	160.0	128,000	2.54	325,120	
	1,050	930	<u>2/</u>	145.0	134,850	2.32	312,852	
	950	830	<u>2/</u>	155.0	128,650	2.36	303,614	
	995	870	<u>2/</u>	153.0	133,110	2.43	323,457	
	990	880	<u>2/</u>	148.0	130,240	2.23	290,435	
	1,005	890	<u>2/</u>	120.0	106,800	2.65	283,020	
	995	890	<u>2/</u>	150.0	133,500	2.38	317,730	
	950	830	<u>2/</u>	111.0	92,130	3.33	306,793	
	1,050	940	<u>2/</u>	142.0	133,480	2.75	367,070	
	1980	Corn for Silage <u>1/</u>						
		1,000 Acres	1,000 Acres	Tons	Tons	1,000 Tons	Dollars Per Ton	1,000 Dollars
		970	193	<u>2/</u>	18.5	3,571	21.00	74,991
		960	176	<u>2/</u>	20.5	3,608	19.60	70,717
		980	178	<u>2/</u>	21.5	3,827	19.10	73,096
		780	160	<u>2/</u>	21.0	3,360	21.60	72,576
		840	157	<u>2/</u>	22.0	3,454	21.70	74,952
		875	128	<u>2/</u>	23.0	2,944	20.00	58,880
		820	95	<u>2/</u>	22.0	2,090	16.40	34,276
		800	105	<u>2/</u>	22.0	2,310	15.30	35,343
		910	105	<u>2/</u>	23.0	2,415	22.20	53,613
		1,050	115	<u>2/</u>	22.0	2,530	21.30	53,889
		950	117	<u>2/</u>	22.5	2,633	21.60	56,873
		995	120	<u>2/</u>	22.0	2,640	20.00	52,800
		990	100	<u>2/</u>	22.5	2,250	19.10	42,975
		1,005	100	<u>2/</u>	21.0	2,100	19.90	41,790
		995	97	<u>2/</u>	21.0	2,037	22.00	44,814
950		105	<u>2/</u>	20.0	2,100	22.00	46,200	
1,050		90	<u>2/</u>	21.5	1,935	24.00	46,440	
1980		Barley						
		1,000 Acres	1,000 Acres	Bushels	Bushels	1,000 Bushels	Dollars Per Bu	1,000 Dollars
		265	245	60.0	65.0	15,925	2.87	45,705
		284	270	59.0	62.0	16,740	2.81	47,039
		225	215	70.5	74.0	15,910	2.96	47,094
		232	220	71.0	75.0	16,500	2.97	49,005
		350	325	57.5	62.0	20,150	2.61	52,592
		360	340	60.5	64.0	21,760	2.60	56,576
		390	350	55.5	62.0	21,700	2.15	46,655
		230	220	61.0	64.0	14,080	2.56	36,045
		185	175	63.5	67.0	11,725	3.01	35,292
		190	160	64.0	76.0	12,160	3.28	39,885
		155	150	77.5	80.0	12,000	3.06	36,720
		140	130	74.5	80.0	10,400	3.14	32,656
		130	120	75.0	81.0	9,720	2.57	24,980
		100	90	76.5	85.0	7,650	2.93	22,415
		90	83	83.0	90.0	7,470	2.64	19,721
	110	100	91.0	100.0	10,000	2.95	29,500	
	100	92	99.5	108.0	9,936	3.05	30,305	

^{1/} "Planted acres" for corn pertains to acreage planted for all purposes.

^{2/} Not available.

Field Crops: Acreage, production and value, Colorado, 1980-96

Year	Acreage		Yield per acre		Production	Value per unit	Total value	
	Planted	Harvested	Planted	Harvested				
Sorghum for Grain ^{1/}	1,000 Acres	1,000 Acres	Bushels	Bushels	1,000 Bushels	Dollars Per Bu	1,000 Dollars	
	490	350	2/	35.0	12,250	2.94	36,015	
	455	365	2/	33.0	12,045	2.23	26,860	
	385	310	2/	33.0	10,230	2.58	26,393	
	295	240	2/	29.0	6,960	2.79	19,418	
	500	430	2/	37.0	15,910	2.36	37,548	
	370	320	2/	35.0	11,200	2.03	22,736	
	380	300	2/	39.0	11,700	1.42	16,614	
	400	210	2/	43.0	9,030	1.84	16,615	
	270	180	2/	46.0	8,280	2.25	18,630	
	400	325	2/	35.0	11,375	2.20	25,025	
	270	220	2/	47.0	10,340	2.09	21,611	
	320	270	2/	40.0	10,800	2.25	24,300	
	230	180	2/	37.0	6,660	1.92	12,787	
	210	170	2/	42.0	7,140	2.50	17,850	
	200	170	2/	42.0	7,140	2.14	15,280	
	200	165	2/	28.0	4,620	3.14	14,507	
	290	260	2/	51.0	13,260	2.50	33,150	
	Sorghum for Silage ^{1/}	1,000 Acres	1,000 Acres	Tons	Tons	1,000 Tons	Dollars Per Ton	1,000 Dollars
		490	22	2/	15.0	330	19.00	6,270
		455	28	2/	13.0	364	18.00	6,552
		385	28	2/	11.0	308	18.70	5,760
		295	20	2/	13.0	260	21.80	5,668
		500	22	2/	11.0	242	19.30	4,671
		370	18	2/	16.0	288	13.70	3,946
		380	19	2/	13.0	247	12.20	3,013
		400	18	2/	15.0	270	12.60	3,402
		270	22	2/	13.0	286	17.00	4,862
		400	25	2/	14.0	350	18.00	6,300
		270	20	2/	13.0	260	19.50	5,070
		320	22	2/	15.0	330	17.70	5,841
		230	20	2/	18.0	360	18.00	6,480
		210	22	2/	16.0	352	20.00	7,040
		200	18	2/	15.0	270	20.00	5,400
		200	13	2/	13.0	169	20.00	3,380
		290	12	2/	13.0	156	19.00	2,964
		Oats	1,000 Acres	1,000 Acres	Bushels	Bushels	1,000 Bushels	Dollars Per Bu	1,000 Dollars
100			33	17.0	51.0	1,683	2.30	3,871
74			26	17.5	50.0	1,300	2.30	2,990
90			40	23.0	52.0	2,080	1.80	3,744
115			42	21.0	57.0	2,394	1.90	4,549
130			50	21.0	55.0	2,750	1.85	5,088
115			55	25.5	53.0	2,915	1.60	4,664
90			40	24.5	55.0	2,200	1.40	3,080
100			50	27.0	54.0	2,700	1.60	4,320
110			60	27.5	50.0	3,000	2.45	7,350
95			55	32.0	55.0	3,025	1.45	4,386
90			45	25.0	50.0	2,250	1.70	3,825
88			30	20.5	60.0	1,800	1.60	2,880
80			26	19.5	60.0	1,560	1.70	2,652
80			23	18.0	62.0	1,426	1.82	2,595
75			24	19.0	60.0	1,440	1.80	2,592
95			33	21.5	62.0	2,046	2.17	4,440
80			35	22.8	52.0	1,820	2.20	4,004

^{1/} "Planted acres" for sorghum pertains to acreage planted for all purposes.

^{2/} Not available.

Field Crops: Acreage, production and value, Colorado, 1980-96

Year	Acreage		Yield per acre		Production	Value per unit	Total value	
	Planted	Harvested	Planted	Harvested				
	All Potatoes							
	1,000 Acres	1,000 Acres	Cwt	Cwt	1,000 Cwt	Dollars Per Cwt	1,000 Dollars	
	1980	43.0	42.3	292	297	12,545	6.70	84,296
	1981	47.5	46.8	284	289	13,504	4.70	63,451
	1982	52.5	51.9	278	282	14,619	3.65	53,320
	1983	54.0	53.3	293	297	15,820	6.25	99,098
	1984	60.8	60.1	316	320	19,213	4.75	90,931
	1985	64.1	63.4	314	318	20,140	2.50	49,533
	1986	63.9	63.9	327	327	20,880	4.40	91,422
	1987	67.5	66.3	316	322	21,359	2.10	44,164
	1988	66.2	65.6	316	319	20,901	7.15	149,993
	1989	68.8	68.2	331	334	22,747	8.10	184,899
	1990	72.8	72.2	342	345	24,874	4.65	115,681
	1991	78.0	74.9	331	345	25,836	2.25	57,576
	1992	73.4	72.7	329	332	24,120	4.20	100,702
	1993	80.8	80.4	344	346	27,812	6.05	169,011
	1994	83.5	83.0	345	348	28,864	3.75	107,377
	1995	86.3	85.9	308	309	26,584	6.25	166,705
	1996	87.9	87.5	364	366	31,987	2.25	71,496
		Fall Potatoes						
1,000 Acres		1,000 Acres	Cwt	Cwt	1,000 Cwt	Dollars Per Cwt	1,000 Dollars	
1980		37.0	36.5	296	300	10,950	7.05	77,198
1981		40.5	40.0	286	290	11,600	4.60	53,360
1982		45.5	45.0	282	285	12,825	3.50	44,888
1983		47.0	46.5	297	300	13,950	6.40	89,280
1984		53.5	53.0	322	325	17,225	4.65	80,096
1985		56.5	56.0	317	320	17,920	2.25	40,320
1986		57.0	57.0	330	330	18,810	4.20	79,002
1987		61.0	60.0	320	325	19,500	1.75	34,125
1988		60.0	59.5	317	320	19,040	7.35	139,944
1989		62.0	61.5	332	335	20,603	8.35	172,035
1990		65.5	65.0	347	350	22,750	4.45	101,238
1991		71.0	68.0	335	350	23,800	2.00	47,600
1992		66.5	66.0	332	335	22,110	4.05	89,546
1993		72.5	72.2	349	350	25,270	6.15	155,411
1994		74.0	73.7	349	350	25,795	3.55	91,572
1995		77.0	76.8	309	310	23,808	6.25	148,800
1996		78.0	77.8	369	370	28,786	2.00	57,572
		Summer Potatoes						
	1,000 Acres	1,000 Acres	Cwt	Cwt	1,000 Cwt	Dollars Per Cwt	1,000 Dollars	
	1980	6.0	5.8	266	275	1,595	4.45	7,098
	1981	7.0	6.8	272	280	1,904	5.30	10,091
	1982	7.0	6.9	256	260	1,794	4.70	8,432
	1983	7.0	6.8	267	275	1,870	5.25	9,818
	1984	7.3	7.1	272	280	1,988	5.45	10,835
	1985	7.6	7.4	292	300	2,220	4.15	9,213
	1986	6.9	6.9	300	300	2,070	6.00	12,420
	1987	6.5	6.3	286	295	1,859	5.40	10,039
	1988	6.2	6.1	300	305	1,861	5.40	10,049
	1989	6.8	6.7	315	320	2,144	6.00	12,864
	1990	7.3	7.2	291	295	2,124	6.80	14,443
	1991	7.0	6.9	291	295	2,036	4.90	9,976
	1992	6.9	6.7	291	300	2,010	5.55	11,156
	1993	8.3	8.2	306	310	2,542	5.35	13,600
	1994	9.5	9.3	323	330	3,069	5.15	15,805
	1995	9.3	9.1	298	305	2,776	6.45	17,905
	1996	9.9	9.7	323	330	3,201	4.35	13,924

Field Crops: Acreage, production and value, Colorado, 1980-96

Year	Acreage		Yield per acre		Production	Value per unit	Total value		
	Planted	Harvested	Planted	Harvested					
Field Crops: Hops, Production and Value, Colorado, 1980 to 1996	Dry Beans ^{1/}								
	1,000 Acres	1,000 Acres	Pounds	Pounds	1,000 Cwt	Dollars Per Cwt	1,000 Dollars		
	1980	220	215	1,060	1,080	2,322	28.70	66,641	
	1981	230	225	1,340	1,370	3,083	14.80	45,628	
	1982	190	185	1,120	1,150	2,128	11.70	24,898	
	1983	155	150	1,080	1,120	1,680	18.40	30,912	
	1984	195	190	1,230	1,260	2,394	16.70	39,980	
	1985	210	205	1,330	1,360	2,788	17.20	47,954	
	1986	191	185	1,450	1,500	2,775	15.20	42,180	
	1987	185	180	1,450	1,490	2,682	14.60	39,157	
	1988	160	155	1,600	1,650	2,558	31.20	79,810	
	1989	195	185	1,590	1,680	3,108	30.40	94,483	
	1990	245	225	1,740	1,900	4,275	15.90	67,973	
	1991	190	180	1,750	1,850	3,330	13.70	45,621	
	1992	164	159	1,590	1,640	2,608	19.00	49,552	
	1993	205	185	1,270	1,410	2,609	27.00	70,443	
	1994	205	195	1,530	1,610	3,140	16.60	52,124	
	1995	190	165	1,350	1,550	2,558	18.50	47,323	
	1996	145	125	1,550	1,800	2,250	24.80	55,800	
	Field Crops: Hops, Production and Value, Colorado, 1980 to 1996	Sugar Beets							
		1,000 Acres	1,000 Acres	Tons	Tons	1,000 Tons	Dollars Per Ton	1,000 Dollars	
		1980	94.0	91.0	18.4	19.0	1,729	47.50	82,128
		1981	80.0	77.0	21.7	22.5	1,733	33.80	58,575
		1982	50.0	46.0	18.4	20.0	920	35.00	32,200
		1983	42.0	37.2	14.4	16.2	603	33.40	20,140
		1984	48.3	44.2	20.0	21.8	964	22.40	21,594
		1985	2.9	2.5	15.9	18.4	46	27.40	1,260
		1986	37.8	37.2	23.5	23.9	889	32.90	29,248
		1987	37.4	37.0	21.5	21.7	803	35.40	28,426
		1988	39.1	38.6	22.5	22.8	880	42.10	37,048
		1989	40.6	40.0	22.5	22.8	912	43.70	39,854
		1990	40.8	40.0	23.1	23.6	944	39.80	37,571
		1991	40.7	40.2	23.7	24.0	965	39.80	38,407
		1992	40.2	39.9	23.7	23.9	954	39.50	37,683
		1993	40.3	40.0	22.9	23.1	924	38.40	35,482
		1994	44.3	43.2	21.4	21.9	946	35.70	33,772
1995		42.8	41.1	16.7	17.4	715	35.40	25,311	
1996		54.8	51.1	18.8	20.2	1,032	2/	2/	
Field Crops: Hops, Production and Value, Colorado, 1980 to 1996		Rye							
		1,000 Acres	1,000 Acres	Bushels	Bushels	1,000 Bushels	Dollars Per Bu	1,000 Dollars	
		1980	10	2	4.0	20.0	40	2.60	104
		1981	15	3	4.0	19.5	59	3.05	180
		1982	17	2	2.0	19.0	38	2.25	86
		1983	12	2	3.0	19.0	38	2.05	78
		1984	15	1	1.0	17.0	17	1.65	28
		1985	13	2	3.5	22.0	44	1.95	86
		1986	15	2	3.0	21.0	42	1.15	48
		1987	18	3	4.0	24.0	72	1.25	90
		1988	18	6	8.5	25.0	150	2.15	323
		1989	25	4	3.0	20.0	80	1.65	132
		1990	15	3	5.5	28.0	84	1.70	143
		1991	15	3	5.0	26.0	78	1.90	148
		1992	10	2	5.0	25.0	50	2.30	115
		1993	11	1	2.5	25.0	25	2.61	65
		1994	25	2	2.0	27.0	54	2.50	135
	1995	15	2	4.0	30.0	60	2.55	153	
	1996	28	3	2.5	25.0	75	3.40	255	

^{1/} Yield, production, and value on clean basis. ^{2/} Not available.

Field Crops: Acreage, production and value, Colorado, 1980-96

Year	Acreage harvested	Yield per acre	Production	Value per ton	Total value
All Hay					
	1,000 Acres	Tons	1,000 Tons	Dollars	1,000 Dollars
1980	1,500	2.18	3,276	64.50	211,302
1981	1,350	2.30	3,105	65.00	201,825
1982	1,360	2.34	3,176	66.00	209,616
1983	1,470	2.28	3,357	68.50	229,955
1984	1,430	2.32	3,311	72.00	238,392
1985	1,445	2.52	3,644	57.50	209,530
1986	1,410	2.58	3,642	58.00	211,236
1987	1,500	2.70	4,044	62.00	250,728
1988	1,650	2.40	3,957	82.00	324,474
1989	1,500	2.30	3,450	91.50	315,450
1990	1,550	2.45	3,805	80.50	303,953
1991	1,500	2.71	4,062	70.50	287,076
1992	1,480	2.83	4,189	64.50	267,741
1993	1,400	3.00	4,193	77.00	319,491
1994	1,330	3.05	4,060	91.00	368,284
1995	1,360	2.93	3,978	88.50	348,840
1996	1,440	2.82	4,054	93.50	372,141
Alfalfa Hay					
	1,000 Acres	Tons	1,000 Tons	Dollars	1,000 Dollars
1980	780	3.00	2,340	63.90	149,526
1981	740	3.00	2,220	64.60	143,415
1982	710	3.10	2,201	66.50	146,241
1983	720	3.10	2,232	70.50	157,392
1984	770	3.10	2,387	74.00	176,484
1985	820	3.30	2,706	58.00	157,000
1986	770	3.40	2,618	58.80	153,892
1987	830	3.50	2,905	62.40	181,249
1988	780	3.40	2,652	85.70	227,252
1989	750	3.20	2,400	92.60	222,225
1990	740	3.50	2,590	81.00	209,790
1991	720	3.80	2,736	71.00	194,256
1992	780	3.80	2,964	64.50	191,178
1993	850	3.80	3,230	77.00	248,710
1994	840	3.90	3,276	91.00	298,116
1995	850	3.60	3,060	88.50	270,810
1996	860	3.50	3,010	94.50	284,445
All Other Hay ^{1/}					
	1,000 Acres	Tons	1,000 Tons	Dollars	1,000 Dollars
1980	720	1.30	936	66.00	61,776
1981	610	1.45	885	66.00	58,410
1982	650	1.50	975	65.00	63,375
1983	750	1.50	1,125	64.50	72,563
1984	660	1.40	924	67.00	61,908
1985	625	1.50	938	56.00	52,530
1986	640	1.60	1,024	56.00	57,344
1987	670	1.70	1,139	61.00	69,479
1988	870	1.50	1,305	74.50	97,222
1989	750	1.40	1,050	89.00	93,450
1990	810	1.50	1,215	77.50	94,163
1991	780	1.70	1,326	70.00	92,820
1992	700	1.75	1,225	62.50	76,563
1993	550	1.75	963	73.50	70,781
1994	490	1.60	784	89.50	70,168
1995	510	1.80	918	85.00	78,030
1996	580	1.80	1,044	84.00	87,696

^{1/} Includes wild, millet, sudan, clover & timothy, grain, and other miscellaneous tame hays.

Field Crops: Acreage, production and value, Colorado, 1980-96 1/

Year	Acreage		Yield per acre	Production	Value per cwt.	Total value
	Planted	Harvested				
1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996	All Sunflowers					
	1,000 Acres	1,000 Acres	Pounds	Pounds	Dollars	1,000 Dollars
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	63	60	971	58,250,000	9.60	5,585
	70	67	1,367	91,600,000	10.20	9,384
	85	77	1,156	89,000,000	13.20	11,717
	100	95	1,014	96,300,000	11.30	10,860
	115	110	938	103,160,000	12.70	13,173
	110	107	1,185	126,800,000	13.20	16,781
	Sunflowers, Oil					
	1,000 Acres	1,000 Acres	Pounds	Pounds	Dollars	1,000 Dollars
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	37	35	950	33,250,000	8.00	2,660
	46	44	1,350	59,400,000	8.75	5,198
	60	54	1,120	60,480,000	12.30	7,439
	72	69	1,000	69,000,000	10.20	7,038
	65	62	820	50,840,000	11.40	5,796
	45	44	1,450	63,800,000	10.80	6,890
Sunflowers, Non-Oil						
1,000 Acres	1,000 Acres	Pounds	Pounds	Dollars	1,000 Dollars	
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26	25	1,000	25,000,000	11.70	2,925	
24	23	1,400	32,200,000	13.00	4,186	
25	23	1,240	28,520,000	15.00	4,278	
28	26	1,050	27,300,000	14.00	3,822	
50	48	1,090	52,320,000	14.10	7,377	
65	63	1,000	63,000,000	15.70	9,891	

1/ Estimates began 1991.

Field Crops: Acreage and production by cropping practice, Colorado, 1986-96

Year	Irrigated			Non-irrigated			Total	
	Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production	Acreage harvested	Production
All Wheat								
	1,000 Acres	Bushels	1,000 Bushels	1,000 Acres	Bushels	1,000 Bushels	1,000 Acres	1,000 Bushels
1986	229.0	58.0	13,335	2,726.0	30.5	83,095	2,955	96,430
1987	242.0	57.5	13,963	2,313.0	36.0	83,417	2,555	97,380
1988	205.0	59.5	12,150	2,147.0	31.5	67,390	2,352	79,540
1989	188.7	54.0	10,196	2,081.3	25.0	51,904	2,270	62,100
1990	181.5	61.0	11,040	2,408.5	31.5	75,910	2,590	86,950
1991	147.0	61.5	9,048	2,189.0	29.5	64,952	2,336	74,000
1992	172.0	65.0	11,181	2,225.0	28.5	62,938	2,397	74,119
1993	173.0	59.5	10,296	2,410.0	36.0	86,694	2,583	96,990
1994	169.5	63.5	10,803	2,422.5	28.5	68,931	2,592	79,734
1995	189.5	60.5	11,475	2,548.5	37.0	93,785	2,738	105,260
1996	213.0	65.5	13,900	2,055.0	30.0	61,600	2,268	75,500
Winter Wheat								
	1,000 Acres	Bushels	1,000 Bushels	1,000 Acres	Bushels	1,000 Bushels	1,000 Acres	1,000 Bushels
1986	188.0	53.0	9,983	2,712.0	30.5	82,817	2,900	92,800
1987	200.0	53.0	10,600	2,300.0	36.0	83,150	2,500	93,750
1988	160.0	54.0	8,640	2,140.0	31.5	67,260	2,300	75,900
1989	130.0	42.0	5,460	2,070.0	25.0	51,740	2,200	57,200
1990	150.0	56.0	8,400	2,400.0	31.5	75,750	2,550	84,150
1991	120.0	55.0	6,600	2,180.0	29.5	64,700	2,300	71,300
1992	135.0	58.5	7,885	2,215.0	28.5	62,615	2,350	70,500
1993	145.0	53.5	7,760	2,405.0	36.0	86,590	2,550	94,350
1994	135.0	57.0	7,700	2,415.0	28.5	68,800	2,550	76,500
1995	160.0	56.5	9,000	2,540.0	37.0	93,600	2,700	102,600
1996	160.0	57.0	9,100	2,040.0	30.0	61,300	2,200	70,400
Spring Wheat								
	1,000 Acres	Bushels	1,000 Bushels	1,000 Acres	Bushels	1,000 Bushels	1,000 Acres	1,000 Bushels
1986	41.0	82.0	3,352	14.0	20.0	278	55	3,630
1987	42.0	80.0	3,363	13.0	20.5	267	55	3,630
1988	45.0	78.0	3,510	7.0	18.5	130	52	3,640
1989	58.7	80.5	4,736	11.3	14.5	164	70	4,900
1990	31.5	84.0	2,640	8.5	19.0	160	40	2,800
1991	27.0	90.5	2,448	9.0	28.0	252	36	2,700
1992	37.0	89.0	3,296	10.0	32.5	323	47	3,619
1993	28.0	90.5	2,536	5.0	21.0	104	33	2,640
1994	34.5	90.0	3,103	7.5	17.5	131	42	3,234
1995	29.5	84.0	2,475	8.5	22.0	185	38	2,660
1996	53.0	90.5	4,800	15.0	20.0	300	68	5,100
Barley								
	1,000 Acres	Bushels	1,000 Bushels	1,000 Acres	Bushels	1,000 Bushels	1,000 Acres	1,000 Bushels
1986	175.0	88.5	15,485	175.0	35.5	6,215	350	21,700
1987	129.0	81.5	10,531	91.0	39.0	3,549	220	14,080
1988	111.0	87.0	9,680	64.0	32.0	2,045	175	11,725
1989	117.0	92.5	10,827	43.0	31.0	1,333	160	12,160
1990	126.0	90.0	11,350	24.0	27.0	650	150	12,000
1991	112.0	88.5	9,890	18.0	28.5	510	130	10,400
1992	103.0	89.0	9,160	17.0	33.0	560	120	9,720
1993	80.0	91.5	7,325	10.0	32.5	325	90	7,650
1994	73.0	99.0	7,210	10.0	26.0	260	83	7,470
1995	86.5	110.5	9,549	13.5	33.5	451	100	10,000
1996	78.5	121.0	9,502	13.5	32.0	434	92	9,936

Field Crops: Acreage and production by cropping practice, Colorado, 1986-96

Year	Irrigated			Non-irrigated			Total	
	Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production	Acreage harvested	Production
Corn for Grain								
	1,000 Acres	Bushels	1,000 Bushels	1,000 Acres	Bushels	1,000 Bushels	1,000 Acres	1,000 Bushels
1986	682	149.0	101,774	28	42.0	1,176	710	102,950
1987	670	158.0	105,950	20	50.0	1,000	690	106,950
1988	778	163.0	126,793	22	55.0	1,207	800	128,000
1989	902	148.0	133,310	28	55.0	1,540	930	134,850
1990	804	158.0	127,150	26	57.5	1,500	830	128,650
1991	820	159.0	130,390	50	54.5	2,720	870	133,110
1992	800	156.5	125,000	80	65.5	5,240	880	130,240
1993	800	128.0	102,220	90	51.0	4,580	890	106,800
1994	790	163.5	129,300	100	42.0	4,200	890	133,500
1995	730	121.5	88,680	100	34.5	3,450	830	92,130
1996	830	152.0	126,280	110	65.5	7,200	940	133,480
Sorghum for Grain								
	1,000 Acres	Bushels	1,000 Bushels	1,000 Acres	Bushels	1,000 Bushels	1,000 Acres	1,000 Bushels
1986	65	85.0	5,534	235	26.0	6,166	300	11,700
1987	50	82.5	4,125	160	30.5	4,905	210	9,030
1988	55	77.0	4,235	125	32.5	4,045	180	8,280
1989	75	60.0	4,500	250	27.5	6,875	325	11,375
1990	64	76.0	4,850	156	35.0	5,490	220	10,340
1991	65	60.0	3,900	205	33.5	6,900	270	10,800
1992	45	50.5	2,272	135	32.5	4,388	180	6,660
1993	43	64.5	2,780	127	34.5	4,360	170	7,140
1994	35	74.0	2,582	135	34.0	4,558	170	7,140
1995	32	53.5	1,704	133	22.0	2,916	165	4,620
1996	30	79.5	2,387	230	47.5	10,873	260	13,260
Dry Beans 1/								
	1,000 Acres	Pounds	1,000 Cwt	1,000 Acres	Pounds	1,000 Cwt	1,000 Acres	1,000 Cwt
1986	124.0	2,050	2,543	61.0	380	232	185	2,775
1987	131.0	1,870	2,450	49.0	470	232	180	2,682
1988	124.0	1,950	2,418	31.0	450	140	155	2,558
1989	150.0	2,000	3,003	35.0	300	105	185	3,108
1990	190.0	2,190	4,155	35.0	340	120	225	4,275
1991	148.0	2,150	3,188	32.0	500	142	180	3,330
1992	121.0	2,000	2,414	38.0	510	194	159	2,608
1993	142.5	1,730	2,471	42.5	320	138	185	2,609
1994	155.0	1,930	2,995	40.0	360	145	195	3,140
1995	135.0	1,830	2,465	30.0	310	93	165	2,558
1996	120.0	1,850	2,218	5.0	640	32	125	2,250
Oats								
	1,000 Acres	Bushels	1,000 Bushels	1,000 Acres	Bushels	1,000 Bushels	1,000 Acres	1,000 Bushels
1986	23.0	68.5	1,572	17.0	37.0	628	40.0	2,200
1987	20.0	65.5	1,310	30.0	46.5	1,390	50.0	2,700
1988	26.0	68.0	1,774	34.0	36.0	1,226	60.0	3,000
1989	33.0	75.0	2,475	22.0	25.0	550	55.0	3,025
1990	27.0	64.5	1,742	18.0	28.0	508	45.0	2,250
1991	17.0	76.5	1,298	13.0	38.5	502	30.0	1,800
1992	16.0	73.0	1,168	10.0	39.0	392	26.0	1,560
1993	14.0	76.5	1,073	9.0	39.0	353	23.0	1,426
1994	15.0	79.5	1,190	9.0	28.0	250	24.0	1,440
1995	20.0	81.5	1,630	13.0	32.0	416	33.0	2,046
1996	22.0	68.5	1,510	13.0	24.0	310	35.0	1,820

1/ Yield and production, clean basis.

Field Crops: Acreage and production by cropping practice, Colorado, 1980-96

Year	Irrigated			Non-irrigated			Total	
	Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production	Acreage harvested	Production
All Hay								
	1,000		1,000	1,000		1,000	1,000	1,000
	Acres	Tons	Tons	Acres	Tons	Tons	Acres	Tons
1980	1,193	2.45	2,904	307	1.20	372	1,500	3,276
1981	1,081	2.55	2,780	269	1.20	325	1,350	3,105
1982	1,070	2.65	2,824	290	1.20	352	1,360	3,176
1983	1,100	2.65	2,900	370	1.25	457	1,470	3,357
1984	1,097	2.65	2,917	333	1.20	394	1,430	3,311
1985	1,136	2.85	3,255	309	1.25	389	1,445	3,644
1986	1,084	3.00	3,229	326	1.25	413	1,410	3,642
1987	1,175	3.10	3,637	325	1.25	407	1,500	4,044
1988	1,286	2.75	3,526	364	1.20	431	1,650	3,957
1989	1,155	2.65	3,060	345	1.15	390	1,500	3,450
1990	1,200	2.80	3,365	350	1.25	440	1,550	3,805
1991	1,170	3.05	3,557	330	1.55	505	1,500	4,062
1992	1,189	3.15	3,737	291	1.55	452	1,480	4,189
1993	1,160	3.30	3,829	240	1.50	364	1,400	4,193
1994	1,121	3.35	3,777	209	1.35	283	1,330	4,060
1995	1,144	3.20	3,678	216	1.40	300	1,360	3,978
1996	1,199	3.10	3,703	241	1.45	351	1,440	4,054
Alfalfa Hay								
1980	683	3.25	2,210	97	1.35	130	780	2,340
1981	654	3.25	2,110	86	1.20	110	740	2,220
1982	625	3.35	2,099	85	1.20	102	710	2,201
1983	630	3.35	2,110	90	1.35	122	720	2,232
1984	665	3.40	2,257	105	1.25	130	770	2,387
1985	707	3.60	2,558	113	1.30	148	820	2,706
1986	660	3.75	2,475	110	1.30	143	770	2,618
1987	700	3.90	2,740	130	1.25	165	830	2,905
1988	670	3.75	2,526	110	1.15	126	780	2,652
1989	650	3.50	2,290	100	1.10	110	750	2,400
1990	650	3.80	2,485	90	1.15	105	740	2,590
1991	635	4.10	2,601	85	1.60	135	720	2,736
1992	694	4.05	2,817	86	1.70	147	780	2,964
1993	765	4.05	3,094	85	1.60	136	850	3,230
1994	756	4.15	3,153	84	1.45	123	840	3,276
1995	774	3.80	2,940	76	1.60	120	850	3,060
1996	789	3.70	2,923	71	1.25	87	860	3,010
All Other Hay ^{1/}								
1980	510	1.35	694	210	1.15	242	720	936
1981	427	1.55	670	183	1.15	215	610	885
1982	445	1.65	725	205	1.20	250	650	975
1983	470	1.70	790	280	1.20	335	750	1,125
1984	432	1.55	660	228	1.15	264	660	924
1985	429	1.60	697	196	1.25	241	625	938
1986	424	1.80	754	216	1.25	270	640	1,024
1987	475	1.85	897	195	1.25	242	670	1,139
1988	616	1.60	1,000	254	1.20	305	870	1,305
1989	505	1.50	770	245	1.15	280	750	1,050
1990	550	1.60	880	260	1.30	335	810	1,215
1991	535	1.80	956	245	1.50	370	780	1,326
1992	495	1.85	920	205	1.50	305	700	1,225
1993	395	1.85	735	155	1.45	228	550	963
1994	365	1.70	624	125	1.30	160	490	784
1995	370	2.00	738	140	1.30	180	510	918
1996	410	1.90	780	170	1.55	264	580	1,044

^{1/} Includes wild, millet, sudan, clover & timothy, grain and other miscellaneous tame hays.

1996 CROP REVIEW

The combined value of production for small grain, hay, and late season row crops (excluding sugar beets) produced in 1996 totaled \$1,311.2 million compared with the comparable value of \$1,494.9 million for the 1995 crops. Colorado producers had a larger output in 1996 than they did in 1995 for spring wheat, corn for grain, sorghum for grain, rye, sugar beets, all sunflowers, other hay, and all potatoes. Production from all other major crops was lower than the previous year.

The 1996 corn crop had a value of \$413.5 million, making it the leading crop produced in the state in terms of value of production. Corn for grain contributed \$367.1 million or 28.0 percent of the total value of all field crops. The 1996 crop of 133.5 million bushels was 45 percent larger than the freeze shortened 1995 crop of 92.1 million bushels. Producers harvested 940,000 acres for grain in 1996, up 13 percent from the previous year. The average yield of 142 bushels per acre was 31 bushels higher than the 1995 average. Corn silage production was down 8 percent from 1995 to 1.9 million tons as fewer acres harvested more than offset a higher average yield per acre.

All hay was the state's second leading crop in terms of the value of production by contributing \$372.1 million. The 1996 crop of 4.05 million tons was 2 percent above the 3.98 million tons produced in 1995. Lower alfalfa hay yields more than offset the small increase in acres harvested resulting in a 2 percent decline in production. The harvested acreage of all other hay was up 14 percent, and with yields averaging the same as the previous year, production increased 14 percent from 1995. Hay prices have remained strong during the 1996 marketing period, making the crop an even more valuable contributor to the total value of production.

The 75.5 million bushels of all wheat produced in 1996 was valued at \$310.8 million, dropping it down to a third place ranking in terms of value of production. The value declined 36 percent from \$488.5 million and a first place ranking a year earlier. Winter wheat production, at 70.4 million bushels on 2.2 million acres harvested, was 31 percent below the 102.6 million bushels produced on 2.7 million acres in 1995. There were 800,000 acres of winter wheat abandoned in 1996 compared with just 200,000 acres abandoned in 1995. The 1996 average yield of 32.0 bushels per acre was 6 bushels below the 1995 average. Spring wheat production in 1996 nearly doubled the output of a year earlier. The area harvested increased 79 percent from the previous year to 68,000 acres and the average yield, at 75.0 bushels per acre, was 5 bushels higher than the 1995 average.

The value of production of all potatoes totaled \$71.5 million in 1996, down 57 percent from \$166.7 million for the value of the 1995 crop. Prices were depressed at the

beginning of the 1996 marketing season and got worse even though producers attempted to adjust marketing practices to help move the bumper crop. Fall potato production was up 21 percent from 1995 to a new record high. Both the acreage harvested and the average yield per acre were new record highs. Summer potato production, at 3.2 million cwt, was up 15 percent from 1995. Per acre yields for summer potatoes increased 25 cwt from 1995 to 330 cwt per acre in 1996.

Dry bean production decreased 12 percent from a year earlier to 2.25 million cwt but improved prices for the 1996 crop resulted in a 18 percent increase in total value to \$55.8 million in 1996. While no value has yet been determined for the 1996 crop of sugar beets, the 1.03 million tons of beets produced was up 44 percent from a year earlier. This was the largest production since 1981 when 1.7 million tons were harvested. The 1996 average yield of 20.2 tons per acre was 2.8 tons per acre higher than 1995 average of 17.4 tons, the lowest since 1983.

Barley production declined 1 percent from 1995 to 9.94 million bushels in 1996 as fewer acres harvested more than offset a new record high yield of 108.0 bushels per acre. The 1996 crop value of \$30.3 million was up 3 percent from \$29.5 million for the 1995 crop. Sorghum for grain production totaled 13.26 million bushels in 1996, nearly double the 4.62 million bushels produced in 1995. The harvested area increased 58 percent to 260,000 acres and the average yield of 51.0 bushels per acre was up 23.0 bushels from the previous year to a new record high. Oats production for 1996 was 11 percent below 1995 as lower per acre yields more than offset a small increase in the area harvested.

The 1996 output of all sunflowers was valued at \$16.78 million compared with \$13.17 million for the 1995 crop. Sunflower production increased 23 percent from 1995 to 126.8 million pounds in 1996. Of this total, 63.8 million pounds was from oil varieties and 63.0 million pounds was from non-oil varieties. Growers harvested 44,000 acres of oil varieties, a decrease of 18,000 acres from 1995. The acreage of non-oil varieties increased 15,000 acres to 63,000 acres. This was the largest non-oil harvested acreage since the estimate started in 1991.

Winter wheat seedings for the 1997 crop, at 3.1 million acres, were up 3 percent from the 3.0 million acres seeded for the 1996 crop. Early seeding conditions were favorable in most areas. Heavy rains later required some acreage to be replanted, and growth on the later seedings did not attain good height for entering the winter. Fortunately the winter was not severe and scattered moisture helped maintained the crop in fair to good condition. The late winter and early spring months were mostly dry, but late April moisture helped maintain the crop in mostly good condition.

1996 COLORADO WEATHER SUMMARY IN BRIEF

(Source: Colorado Climate Center, Colorado State University)

January - This was a month of storms, heavy snows, strong winds, and extreme temperatures. New records for total monthly snowfall were set at locations in the Northern and Central Mountains. Southwest Colorado received near normal snowfall after several very dry months. Southeast Colorado again missed the action and ended up with less than 50% of average. Extremely warm days with temperatures in the 60s and 70s were offset by many days with sub-zero readings. Wind gusts of 40 mph or higher were observed on 17 days at some locations in the Front Range foothills.

February - Three weeks of mild weather with lower-elevation daytime temperatures frequently in the 50s and 60s were sandwiched between blasts of arctic air early and late in the month. For the fifth month in a row, little or no precipitation fell east of the mountains. However, a 4-day onslaught of Pacific moisture brought heavy precipitation to western and central portions of the state accompanied by avalanches and mud.

March - This month brought typically changeable weather to the state. Eleven storm systems crossed the region during the month, but most brought only light precipitation. There were plenty of windy days, but no more than usual for this time of year. The storm that developed on March 13 produced some surprisingly heavy, wet snow for portions of eastern Colorado. In some areas, more precipitation fell than in all of the previous six months.

April - Like March, this month brought a little bit of everything to Colorado and a lot of wind. There were many opportunities for precipitation in April as several significant storms crossed the region. However, precipitation was light with most of the storms as they quickly crossed the state. Most of the state ended up drier than average. Exceptions were in Northwest Colorado which ended up a little wetter than average and a pair of wet spots in eastern Colorado which were hard hit by the April 13-14 snowstorm. Temperatures for the month ended up near or a little above average across the state, but the average was comprised of several very warm days and some cold ones.

May - The first three weeks of the month were much warmer than average over most of the state with little or no precipitation. The mountain snowpack melted quickly but produced little flooding. Many new record high temperatures were set in a mid-month heatwave. Several major wildfires burned out of control. Then a large slow moving storm brought a dramatic change. Several days of soaking rains along with cold temperatures and mountain snows replenished the soil moisture east of the mountains.

June - Warm summer weather prevailed throughout the month with none of the spring-like storms that sometime bring snow to the high mountains. As a result, June temperatures ended up a little above average statewide. Strong thunderstorms developed on several days over eastern areas with hail and a few tornadoes -- fairly typical for June. The most unusual feature of the month was the much-welcomed wetter than average conditions over southwest Colorado.

July - Thunderstorms were numerous and often severe during the month across much of eastern Colorado as relatively cool but surprisingly humid air repeatedly visited the High Plains. Several tornadoes were sighted, and damaging hail was widespread. A few heavy storms were also reported in western Colorado. Meanwhile, thunderstorm activity was weaker than normal in the mountains, and July temperatures were consistently warmer than average across the Western Slope. Several major forest fires raged in western Colorado. The only major heatwave on the Plains came early in the month.

August - Thunderstorms, some producing hail, rumbled over portions of the state on most days of the month as is typical for August. The majority, however, took aim on eastern Colorado. For the second month in a row, frequent and occasionally severe thunderstorms dropped heavy rain. Afternoon storms were surprisingly few over the mountains and western valleys. Temperatures remained quite hot, especially west of the mountains, with few large day-to-day changes. A heatwave August 12-13 sent temperatures close to the century mark both east and west of the mountains.

September - A month of stormy weather accompanied the transition from summer to fall in Colorado. Several large storms brought rapidly dropping temperatures, widespread precipitation, and mountain snows. The San Luis Valley and a small area in east central Colorado missed the brunt of the storms. Temperatures cycled through warm and cold periods about every seven days in September. Most of eastern Colorado received some snow and freezing temperatures by the end of the month. Grand Junction had a hard freeze on September 27, three weeks earlier than normal.

October - The first half of the month was dry and unseasonably warm as a large high pressure ridge dominated the West. An exception was one weak-looking storm system on the 2nd and 3rd that brought surprisingly heavy rainfall to southwest Colorado. Weather patterns then shifted, and the remainder of October saw frequent and fast-moving storm systems, heavy accumulations of mountain snow, periods of strong winds, and cold temperatures. The fast moving storms dropped very little moisture east of the mountains.

November - This month provided a wide variety of changeable weather conditions at lower elevations. Plenty of snow fell in nearly all of Colorado's mountain areas, but despite several opportunities, very little moisture fell on the Eastern Plains. For the month as a whole, temperatures ended up significantly below average in extreme eastern areas but one to three degrees above average over central and western areas.

December - The winds at mountain top levels were very strong over the state as the jet stream turned and shifted. Several fast-moving disturbances brought snows to the mountains every few days, but for the third month in a row, the Eastern Plains remained dry. A ferocious cold blast brought an unusual combination (for Colorado) of extreme cold and strong winds during the 16th through the 18th.

Field Crops: Acreage, production and value, Colorado, 1995-96

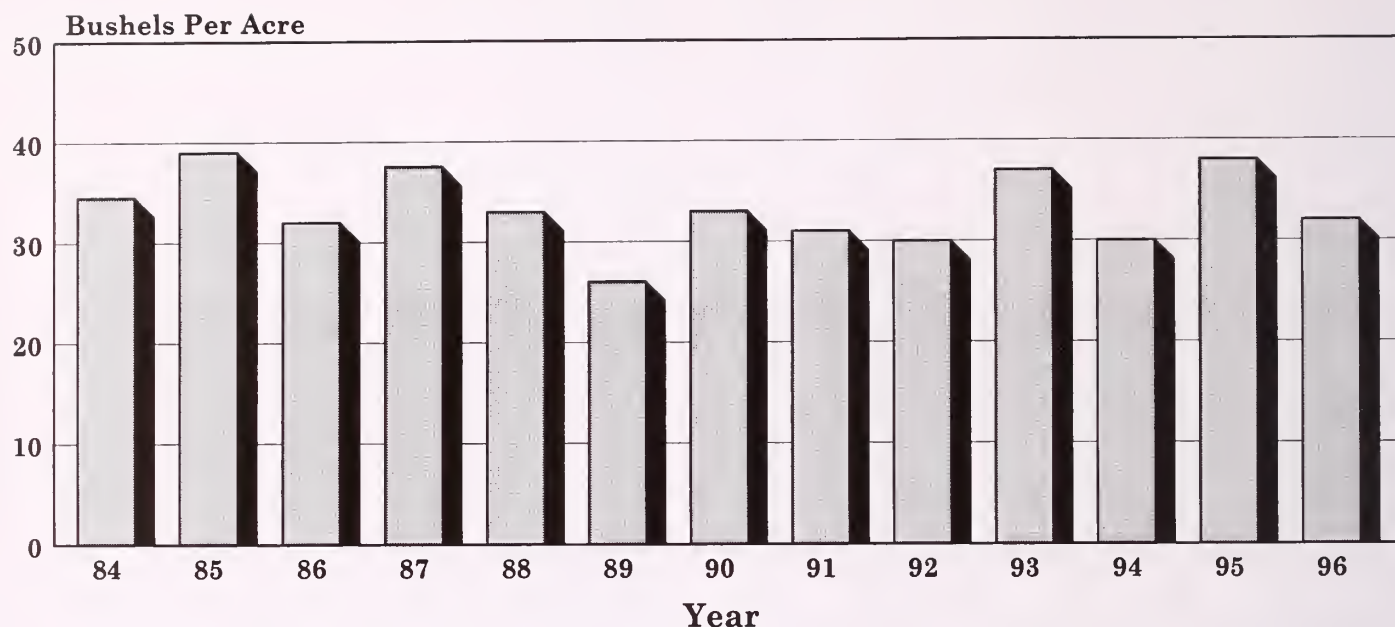
Year and Crop	Acreage planted	Acreage harvested	Yield per acre	Total production	Unit	Value per unit	Total value
1995	Acres	Acres	Unit	Units		Dollars	1,000 Dollars
All wheat	2,940,000	2,738,000	38.4	105,260,000	Bu	4.64	488,528
Winter wheat	2,900,000	2,700,000	38.0	102,600,000	Bu	4.65	477,090
Spring wheat	40,000	38,000	70.0	2,660,000	Bu	4.30	11,438
Corn, all purposes	950,000	---	---	---	---	---	352,993
Corn for grain	---	830,000	111.0	92,130,000	Bu	3.33	306,793
Corn for silage	---	105,000	20.0	2,100,000	Tons	22.00	46,200
Sorghum, all purposes	200,000	---	---	---	---	---	17,887
Sorghum for grain	---	165,000	28.0	4,620,000	Bu	3.14	14,507
Sorghum for silage	---	13,000	13.0	169,000	Tons	20.00	3,380
Barley	110,000	100,000	100.0	10,000,000	Bu	2.95	29,500
Oats	95,000	33,000	62.0	2,046,000	Bu	2.17	4,440
Rye	15,000	2,000	30.0	60,000	Bu	2.55	153
Dry Beans 1/	190,000	165,000	15.50	2,558,000	Cwt	18.50	47,323
Sugar beets	42,800	41,100	17.4	715,000	Tons	35.40	25,311
Sunflowers	115,000	110,000	938	103,160,000	Lbs	12.70 2/	13,173
Oil varieties	65,000	62,000	820	50,840,000	Lbs	11.40 2/	5,796
Non-Oil varieties	50,000	48,000	1,090	52,320,000	Lbs	14.10 2/	7,377
All hay	---	1,360,000	2.93	3,978,000	Tons	88.50	348,840
Alfalfa hay	---	850,000	3.60	3,060,000	Tons	88.50	270,810
All other hay	---	510,000	1.80	918,000	Tons	85.00	78,030
All potatoes	86,300	85,900	309	26,584,000	Cwt	6.25	166,705
Summer potatoes	9,300	9,100	305	2,776,000	Cwt	6.45	17,905
Fall potatoes	77,000	76,800	310	23,808,000	Cwt	6.25	148,800
Total field crops	---	5,748,000	---	---	---	---	1,494,853
1996	Acres	Acres	Unit	Units		Dollars	1,000 Dollars
All wheat	3,070,000	2,268,000	33.3	75,500,000	Bu	4.00	310,775
Winter wheat	3,000,000	2,200,000	32.0	70,400,000	Bu	4.15	292,160
Spring wheat	70,000	68,000	75.0	5,100,000	Bu	3.65	18,615
Corn, all purposes	1,050,000	---	---	---	---	---	413,510
Corn for grain	---	940,000	142.0	133,480,000	Bu	2.75	367,070
Corn for silage	---	90,000	21.5	1,935,000	Tons	24.00	46,440
Sorghum, all purposes	290,000	---	---	---	---	---	36,114
Sorghum for grain	---	260,000	51.0	13,260,000	Bu	2.50	33,150
Sorghum for silage	---	12,000	13.0	156,000	Tons	19.00	2,964
Barley	100,000	92,000	108.0	9,936,000	Bu	3.05	30,305
Oats	80,000	35,000	52.0	1,820,000	Bu	2.20	4,004
Rye	28,000	3,000	25.0	75,000	Bu	3.40	255
Dry Beans 1/	145,000	125,000	18.00	2,250,000	Cwt	24.80	55,800
Sugar beets	54,800	51,100	20.2	1,032,000	Tons	3/	3/
Sunflowers	110,000	107,000	1,185	126,800,000	Lbs	13.20 2/	16,781
Oil varieties	45,000	44,000	1,450	63,800,000	Lbs	10.80 2/	6,890
Non-Oil varieties	65,000	63,000	1,000	63,000,000	Lbs	15.70 2/	9,891
All hay	---	1,440,000	2.82	4,054,000	Tons	93.50	372,141
Alfalfa hay	---	860,000	3.50	3,010,000	Tons	94.50	284,445
All other hay	---	580,000	1.80	1,044,000	Tons	84.00	87,696
All potatoes	87,900	87,500	366	31,987,000	Cwt	2.25	71,496
Summer potatoes	9,900	9,700	330	3,201,000	Cwt	4.35	13,924
Fall potatoes	78,000	77,800	370	28,786,000	Cwt	2.00	57,572
Total field crops	---	5,510,600	---	---	---	---	1,311,181 4/

1/ Yield, production, price, and value on clean basis. 2/ Dollars per hundredweight

3/ Not available. 4/ Total excluding sugar beets.

WINTER WHEAT

Average Yield 1984 - 96



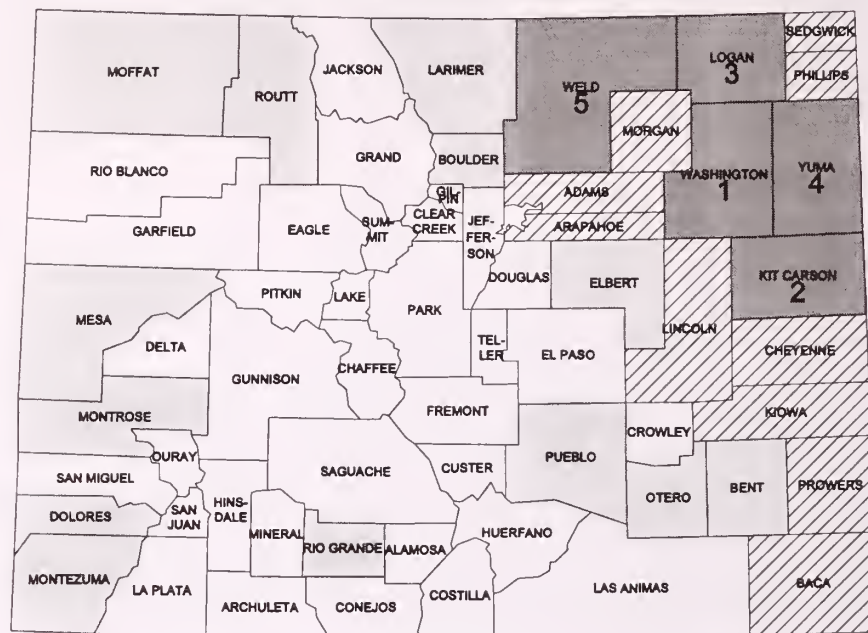
Winter Wheat: Acreage and production by county and district, Colorado, 1995

County and District	Acreage planted	Irrigated			Non-Irrigated			Total		
		Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production
	Acres	Acres	Bu.	Bu.	Acres	Bu.	Bu.	Acres	Bu.	Bu.
Chaffee .....	...	...	...	...	...	...	...	...	...	...
Clear Creek ..	...	...	...	...	...	...	...	...	...	...
Eagle .....	...	...	...	...	...	...	...	...	...	...
Gilpin .....	...	...	...	...	...	...	...	...	...	...
Grand .....	...	...	...	...	...	...	...	...	...	...
Gunnison ....	...	...	...	...	...	...	...	...	...	...
Jackson .....	...	...	...	...	...	...	...	...	...	...
Lake .....	...	...	...	...	...	...	...	...	...	...
Moffat	20,700	...	...	...	20,000	30.0	595,000	20,000	30.0	595,000
Park .....	...	...	...	...	...	...	...	...	...	...
Pitkin .....	...	...	...	...	...	...	...	...	...	...
Rio Blanco ...	2,100	...	...	...	2,000	30.0	60,000	2,000	30.0	60,000
Routt	8,200	...	...	...	8,000	30.5	245,000	8,000	30.5	245,000
Summit .....	...	...	...	...	...	...	...	...	...	...
Teller .....	...	...	...	...	...	...	...	...	...	...
NW & Mountain	31,000	...	...	...	30,000	30.0	900,000	30,000	30.0	900,000
Boulder	4,500	1,000	75.0	75,000	3,500	33.5	117,000	4,500	42.5	192,000
Jefferson	500	...	...	...	500	26.0	13,000	500	26.0	13,000
Larimer	14,000	2,000	70.0	140,000	10,000	25.0	250,000	12,000	32.5	390,000
Logan	167,000	4,000	51.5	205,000	148,000	35.0	5,180,000	152,000	35.5	5,385,000
Morgan	91,000	10,000	73.0	730,000	68,000	39.5	2,680,000	78,000	43.5	3,410,000
Sedgwick	88,000	2,000	50.0	100,000	81,000	42.5	3,435,000	83,000	42.5	3,535,000
Weld	190,000	13,000	61.5	800,000	157,000	33.0	5,175,000	170,000	35.0	5,975,000
Northeast	555,000	32,000	64.0	2,050,000	468,000	36.0	16,850,000	500,000	38.0	18,900,000

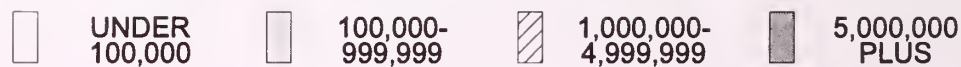
Winter Wheat: Acreage and production by county and district, Colorado, 1995, continued

County and District	Acreage planted	Irrigated			Non-Irrigated			Total		
		Acreage har- vested	Yield per acre	Pro- duc- tion	Acreage har- vested	Yield per acre	Pro- duc- tion	Acreage har- vested	Yield per acre	Pro- duc- tion
	Acres	Acres	Bu.	Bu.	Acres	Bu.	Bu.	Acres	Bu.	Bu.
Adams	185,000	3,500	54.5	190,000	166,500	34.5	5,740,000	170,000	35.0	5,930,000
Arapahoe	105,000	...	...	...	100,000	31.0	3,095,000	100,000	31.0	3,095,000
Cheyenne	195,000	6,000	49.0	295,000	174,000	38.0	6,645,000	180,000	38.5	6,940,000
Denver .....	...	...	...	...	...	...	...	...	...	...
Douglas	3,500	...	...	...	3,500	25.5	90,000	3,500	25.5	90,000
Elbert	36,500	...	...	...	34,500	43.0	1,475,000	34,500	43.0	1,475,000
El Paso	3,000	...	...	...	3,000	26.5	80,000	3,000	26.5	80,000
Kiowa	235,000	2,500	52.0	130,000	212,500	30.0	6,420,000	215,000	30.5	6,550,000
Kit Carson ...	340,000	37,000	57.0	2,100,000	288,000	47.5	13,695,000	325,000	48.5	15,795,000
Lincoln	167,000	1,500	60.0	90,000	158,500	42.5	6,730,000	160,000	42.5	6,820,000
Phillips	130,000	2,000	60.0	120,000	117,000	41.5	4,860,000	119,000	42.0	4,980,000
Washington ..	315,000	4,500	55.5	250,000	300,500	40.5	12,160,000	305,000	40.5	12,410,000
Yuma	160,000	13,000	59.5	775,000	142,000	42.5	6,010,000	155,000	44.0	6,785,000
East Central	1,875,000	70,000	56.5	3,950,000	1,700,000	39.5	67,000,000	1,770,000	40.0	70,950,000
Archuleta ....	...	...	...	...	...	...	...	...	...	...
Delta	500	500	100.0	50,000	...	...	...	500	100.0	50,000
Dolores	23,000	400	70.0	28,000	21,100	27.5	580,000	21,500	28.5	608,000
Garfield	1,700	...	...	...	1,600	25.0	40,000	1,600	25.0	40,000
Hinsdale ....	...	...	...	...	...	...	...	...	...	...
La Plata	3,800	200	55.0	11,000	3,500	23.0	80,000	3,700	24.5	91,000
Mesa	2,000	2,000	100.0	200,000	...	...	...	2,000	100.0	200,000
Montezuma ..	7,200	700	80.0	56,000	6,300	29.5	185,000	7,000	34.5	241,000
Montrose	1,200	1,200	112.5	135,000	...	...	...	1,200	112.5	135,000
Ouray .....	...	...	...	...	...	...	...	...	...	...
San Juan ....	...	...	...	...	...	...	...	...	...	...
San Miguel ..	2,600	...	...	...	2,500	26.0	65,000	2,500	26.0	65,000
Southwest	42,000	5,000	96.0	480,000	35,000	27.0	950,000	40,000	36.0	1,430,000
Alamosa .....	...	...	...	...	...	...	...	...	...	...
Conejos .....	...	...	...	...	...	...	...	...	...	...
Costilla .....	...	...	...	...	...	...	...	...	...	...
Mineral .....	...	...	...	...	...	...	...	...	...	...
Rio Grande ..	...	...	...	...	...	...	...	...	...	...
Saguache ....	...	...	...	...	...	...	...	...	...	...
San Luis Valley	...	...	...	...	...	...	...	...	...	...
Baca	217,000	28,500	39.5	1,125,000	166,500	24.0	3,990,000	195,000	26.0	5,115,000
Bent	12,000	3,500	47.0	165,000	6,000	27.5	165,000	9,500	34.5	330,000
Crowley	5,700	...	...	...	5,500	37.5	205,000	5,500	37.5	205,000
Custer .....	...	...	...	...	...	...	...	...	...	...
Fremont .....	...	...	...	...	...	...	...	...	...	...
Huerfano ....	...	...	...	...	...	...	...	...	...	...
Las Animas ..	4,100	...	...	...	4,000	25.0	100,000	4,000	25.0	100,000
Otero	5,200	5,000	70.0	350,000	...	...	...	5,000	70.0	350,000
Prowers	146,000	15,000	52.5	790,000	120,000	28.0	3,335,000	135,000	30.5	4,125,000
Pueblo	7,000	1,000	90.0	90,000	5,000	21.0	105,000	6,000	32.5	195,000
Southeast	397,000	53,000	47.5	2,520,000	307,000	25.5	7,900,000	360,000	29.0	10,420,000
State Total	2,900,000	160,000	56.5	9,000,000	2,540,000	37.0	93,600,000	2,700,000	38.0	102,600,000

Winter Wheat: Production by County, Colorado, 1996 with Ranking of First Five Counties



BUSHELS



Winter Wheat: Acreage and production by county and district, Colorado, 1996

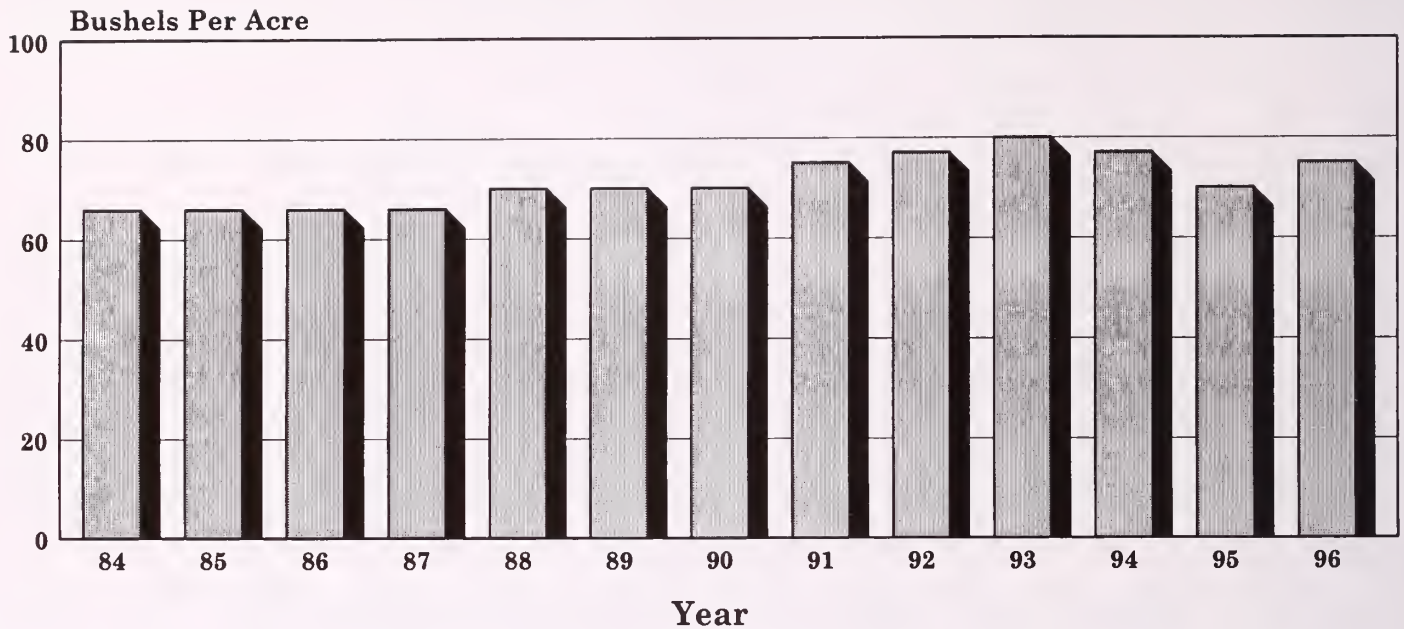
County and District	Acreage planted	Irrigated			Non-Irrigated			Total		
		Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production
	Acres	Acres	Bu.	Bu.	Acres	Bu.	Bu.	Acres	Bu.	Bu.
Chaffee .....	...	...	...	...	...	...	...	...	...	...
Clear Creek ..	...	...	...	...	...	...	...	...	...	...
Eagle .....	...	...	...	...	...	...	...	...	...	...
Gilpin .....	...	...	...	...	...	...	...	...	...	...
Grand .....	...	...	...	...	...	...	...	...	...	...
Gunnison .....	...	...	...	...	...	...	...	...	...	...
Jackson .....	...	...	...	...	...	...	...	...	...	...
Lake .....	...	...	...	...	...	...	...	...	...	...
Moffat	17,000	...	...	...	13,000	24.5	320,000	13,000	24.5	320,000
Park .....	...	...	...	...	...	...	...	...	...	...
Pitkin .....	...	...	...	...	...	...	...	...	...	...
Rio Blanco ...	2,000	...	...	...	2,000	20.0	40,000	2,000	20.0	40,000
Routt	8,000	...	...	...	7,000	24.5	170,000	7,000	24.5	170,000
Summit .....	...	...	...	...	...	...	...	...	...	...
Teller .....	...	...	...	...	...	...	...	...	...	...
NW & Mountain	27,000	...	...	...	22,000	24.0	530,000	22,000	24.0	530,000
Boulder	6,500	1,500	80.0	120,000	4,500	22.0	100,000	6,000	36.5	220,000
Jefferson .....	...	...	...	...	...	...	...	...	...	...
Larimer	11,000	1,500	80.0	120,000	8,500	32.5	275,000	10,000	39.5	395,000
Logan	180,000	7,000	55.5	390,000	154,000	38.0	5,850,000	161,000	39.0	6,240,000
Morgan	86,500	12,000	70.0	840,000	64,000	34.0	2,175,000	76,000	39.5	3,015,000
Sedgwick	96,000	3,000	50.0	150,000	78,000	40.5	3,160,000	81,000	41.0	3,310,000
Weld	200,000	15,000	58.5	880,000	151,000	27.5	4,130,000	166,000	30.0	5,010,000
Northeast	580,000	40,000	62.5	2,500,000	460,000	34.0	15,690,000	500,000	36.5	18,190,000

Winter Wheat: Acreage and production by county and district, Colorado, 1996, continued

County and District	Acreage planted	Irrigated			Non-Irrigated			Total		
		Acreage harvested	Yield per acre	Pro-duction	Acreage harvested	Yield per acre	Pro-duction	Acreage harvested	Yield per acre	Pro-duction
	Acres	Acres	Bu.	Bu.	Acres	Bu.	Bu.	Acres	Bu.	Bu.
Adams	168,000	3,500	40.0	140,000	151,500	25.5	3,860,000	155,000	26.0	4,000,000
Arapahoe	92,500	500	50.0	25,000	89,500	23.0	2,060,000	90,000	23.0	2,085,000
Cheyenne	270,000	6,000	47.5	285,000	74,000	18.5	1,370,000	80,000	20.5	1,655,000
Denver .....	...	...	...	...	...	...	...	...	...	...
Douglas	3,000	...	...	...	3,000	31.5	95,000	3,000	31.5	95,000
Elbert	37,000	...	...	...	30,000	20.0	600,000	30,000	20.0	600,000
El Paso	2,500	...	...	...	2,000	15.0	30,000	2,000	15.0	30,000
Kiowa	192,000	2,500	40.0	100,000	102,500	21.0	2,150,000	105,000	21.5	2,250,000
Kit Carson ...	365,000	36,000	57.0	2,050,000	284,000	30.5	8,675,000	320,000	33.5	10,725,000
Lincoln	165,000	2,000	50.0	100,000	153,000	32.0	4,895,000	155,000	32.0	4,995,000
Phillips	140,000	2,500	52.0	130,000	122,500	33.5	4,110,000	125,000	34.0	4,240,000
Washington ..	340,000	4,000	52.5	210,000	311,000	35.0	10,825,000	315,000	35.0	11,035,000
Yuma	155,000	13,000	66.0	860,000	127,000	38.0	4,830,000	140,000	40.5	5,690,000
East Central	1,930,000	70,000	55.5	3,900,000	1,450,000	30.0	43,500,000	1,520,000	31.0	47,400,000
Archuleta ....	...	...	...	...	...	...	...	...	...	...
Delta	700	600	108.5	65,000	...	...	...	600	108.5	65,000
Dolores	23,500	600	41.5	25,000	12,400	10.0	125,000	13,000	11.5	150,000
Garfield	1,100	...	...	...	1,100	22.5	25,000	1,100	22.5	25,000
Hinsdale .....	...	...	...	...	...	...	...	...	...	...
La Plata	3,500	...	...	...	1,800	11.0	20,000	1,800	11.0	20,000
Mesa	3,200	3,000	83.5	250,000	...	...	...	3,000	83.5	250,000
Montezuma ..	5,500	1,000	75.0	75,000	3,000	13.5	40,000	4,000	29.0	115,000
Montrose	1,500	1,300	104.0	135,000	...	...	...	1,300	104.0	135,000
Ouray .....	...	...	...	...	...	...	...	...	...	...
San Juan .....	...	...	...	...	...	...	...	...	...	...
San Miguel ..	2,500	...	...	...	1,700	12.0	20,000	1,700	12.0	20,000
Southwest	41,500	6,500	84.5	550,000	20,000	11.5	230,000	26,500	29.5	780,000
Alamosa .....	...	...	...	...	...	...	...	...	...	...
Conejos .....	...	...	...	...	...	...	...	...	...	...
Costilla .....	...	...	...	...	...	...	...	...	...	...
Mineral .....	...	...	...	...	...	...	...	...	...	...
Rio Grande ..	1,500	1,500	100.0	150,000	...	...	...	1,500	100.0	150,000
Saguache .....	...	...	...	...	...	...	...	...	...	...
San Luis Valley	1,500	1,500	100.0	150,000	...	...	...	1,500	100.0	150,000
Baca	250,000	22,000	37.0	815,000	33,000	14.5	485,000	55,000	23.5	1,300,000
Bent	8,000	3,000	60.0	180,000	2,000	15.0	30,000	5,000	42.0	210,000
Crowley	5,000	...	...	...	4,000	15.0	60,000	4,000	15.0	60,000
Custer .....	...	...	...	...	...	...	...	...	...	...
Fremont .....	...	...	...	...	...	...	...	...	...	...
Huerfano .....	...	...	...	...	...	...	...	...	...	...
Las Animas ..	7,000	...	...	...	1,000	12.0	12,000	1,000	12.0	12,000
Otero	5,500	5,000	66.0	330,000	...	...	...	5,000	66.0	330,000
Prowers	136,500	10,500	52.5	550,000	44,500	16.5	725,000	55,000	23.0	1,275,000
Pueblo	8,000	1,500	83.5	125,000	3,500	11.0	38,000	5,000	32.5	163,000
Southeast	420,000	42,000	47.5	2,000,000	88,000	15.5	1,350,000	130,000	26.0	3,350,000
State Total	3,000,000	160,000	57.0	9,100,000	2,040,000	30.0	61,300,000	2,200,000	32.0	70,400,000

SPRING WHEAT

Average Yield 1984 - 96



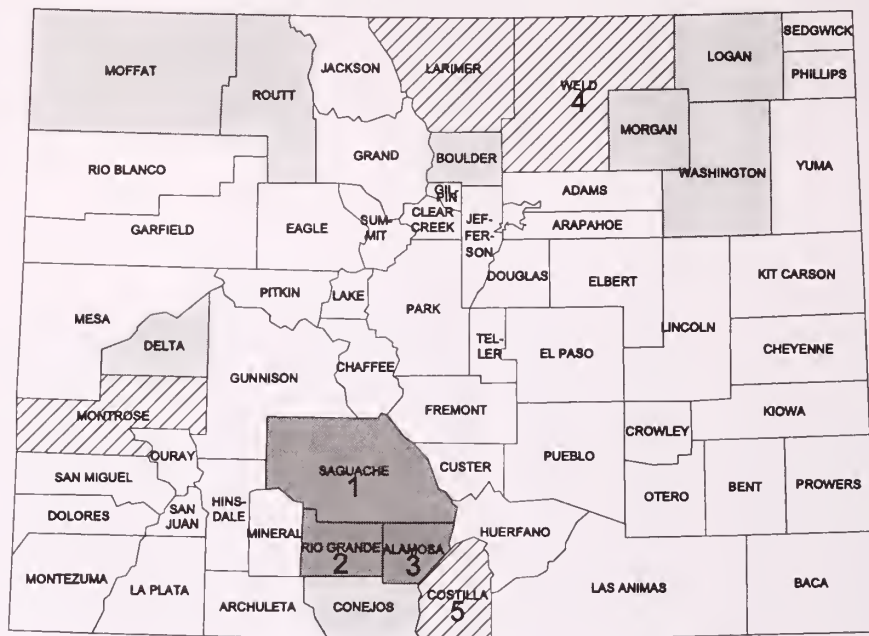
Spring Wheat: Acreage and production by county and district, Colorado, 1995

County and District	Acreage planted	Irrigated			Non-Irrigated			Total		
		Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production
	Acres	Acres	Bu.	Bu.	Acres	Bu.	Bu.	Acres	Bu.	Bu.
Chaffee .....	...	...	...	...	...	...	...	...	...	...
Clear Creek ..	...	...	...	...	...	...	...	...	...	...
Eagle .....	...	...	...	...	...	...	...	...	...	...
Gilpin .....	...	...	...	...	...	...	...	...	...	...
Grand .....	...	...	...	...	...	...	...	...	...	...
Gunnison .....	...	...	...	...	...	...	...	...	...	...
Jackson .....	...	...	...	...	...	...	...	...	...	...
Lake .....	...	...	...	...	...	...	...	...	...	...
Moffat	3,100	...	...	...	2,300	13.5	31,000	2,300	13.5	31,000
Park .....	...	...	...	...	...	...	...	...	...	...
Pitkin .....	...	...	...	...	...	...	...	...	...	...
Rio Blanco ...	...	...	...	...	...	...	...	...	...	...
Routt	1,500	...	...	...	1,400	24.5	34,000	1,400	24.5	34,000
Summit .....	...	...	...	...	...	...	...	...	...	...
Teller .....	...	...	...	...	...	...	...	...	...	...
NW & Mountain	4,600	...	...	...	3,700	17.5	65,000	3,700	17.5	65,000
Boulder	600	600	58.5	35,000	...	...	...	600	58.5	35,000
Jefferson .....	...	...	...	...	...	...	...	...	...	...
Larimer	500	500	46.0	23,000	...	...	...	500	46.0	23,000
Logan .....	...	...	...	...	...	...	...	...	...	...
Morgan	600	600	56.5	34,000	...	...	...	600	56.5	34,000
Sedgwick .....	...	...	...	...	...	...	...	...	...	...
Weld	4,300	3,300	67.5	223,000	1,000	30.0	30,000	4,300	59.0	253,000
Northeast	6,000	5,000	63.0	315,000	1,000	30.0	30,000	6,000	57.5	345,000

Spring Wheat: Acreage and production by county and district, Colorado, 1995, continued

County and District	Acreage planted	Irrigated			Non-Irrigated			Total		
		Acreage harvested	Yield per acre	Pro-duction	Acreage harvested	Yield per acre	Pro-duction	Acreage harvested	Yield per acre	Pro-duction
		Acres	Bu.	Bu.	Acres	Bu.	Bu.	Acres	Bu.	Bu.
Adams	1,600	300	50.0	15,000	1,200	29.0	35,000	1,500	33.5	50,000
Arapahoe .....	...	...	...	...	...	...	...	...	...	...
Cheyenne .....	...	...	...	...	...	...	...	...	...	...
Denver .....	...	...	...	...	...	...	...	...	...	...
Douglas .....	...	...	...	...	...	...	...	...	...	...
Elbert .....	...	...	...	...	...	...	...	...	...	...
El Paso .....	...	...	...	...	...	...	...	...	...	...
Kiowa .....	...	...	...	...	...	...	...	...	...	...
Kit Carson ...	...	...	...	...	...	...	...	...	...	...
Lincoln .....	...	...	...	...	...	...	...	...	...	...
Phillips .....	...	...	...	...	...	...	...	...	...	...
Washington ..	800	...	...	...	800	31.5	25,000	800	31.5	25,000
Yuma .....	...	...	...	...	...	...	...	...	...	...
East Central	2,400	300	50.0	15,000	2,000	30.0	60,000	2,300	32.5	75,000
Archuleta .....	...	...	...	...	...	...	...	...	...	...
Delta	300	300	83.5	25,000	...	...	...	300	83.5	25,000
Dolores	1,200	...	...	...	1,200	16.5	20,000	1,200	16.5	20,000
Garfield	200	...	...	...	200	20.0	4,000	200	20.0	4,000
Hinsdale .....	...	...	...	...	...	...	...	...	...	...
La Plata	200	...	...	...	200	15.0	3,000	200	15.0	3,000
Mesa	300	300	80.0	24,000	...	...	...	300	80.0	24,000
Montezuma ..	...	...	...	...	...	...	...	...	...	...
Montrose	800	600	85.0	51,000	200	15.0	3,000	800	67.5	54,000
Ouray .....	...	...	...	...	...	...	...	...	...	...
San Juan .....	...	...	...	...	...	...	...	...	...	...
San Miguel ..	...	...	...	...	...	...	...	...	...	...
Southwest	3,000	1,200	83.5	100,000	1,800	16.5	30,000	3,000	43.5	130,000
Alamosa	5,400	5,300	78.0	414,000	...	...	...	5,300	78.0	414,000
Conejos	800	700	80.0	56,000	...	...	...	700	80.0	56,000
Costilla	2,100	2,000	72.5	145,000	...	...	...	2,000	72.5	145,000
Mineral .....	...	...	...	...	...	...	...	...	...	...
Rio Grande ..	7,500	7,000	101.5	710,000	...	...	...	7,000	101.5	710,000
Saguache	8,200	8,000	90.0	720,000	...	...	...	8,000	90.0	720,000
San Luis Valley	24,000	23,000	89.0	2,045,000	...	...	...	23,000	89.0	2,045,000
Baca .....	...	...	...	...	...	...	...	...	...	...
Bent .....	...	...	...	...	...	...	...	...	...	...
Crowley .....	...	...	...	...	...	...	...	...	...	...
Custer .....	...	...	...	...	...	...	...	...	...	...
Fremont .....	...	...	...	...	...	...	...	...	...	...
Huerfano .....	...	...	...	...	...	...	...	...	...	...
Las Animas ..	...	...	...	...	...	...	...	...	...	...
Otero .....	...	...	...	...	...	...	...	...	...	...
Prowers .....	...	...	...	...	...	...	...	...	...	...
Pueblo .....	...	...	...	...	...	...	...	...	...	...
Southeast	...	...	...	...	...	...	...	...	...	...
State Total	40,000	29,500	84.0	2,475,000	8,500	22.0	185,000	38,000	70.0	2,660,000

Spring Wheat: Production by County, Colorado, 1996 with Ranking of First Five Counties



Spring Wheat: Acreage and production by county and district, Colorado, 1996

County and District	Acreage planted Acres	Irrigated			Non-Irrigated			Total		
		Acreage harvested Acres	Yield per acre Bu.	Pro-duction Bu.	Acreage harvested Acres	Yield per acre Bu.	Pro-duction Bu.	Acreage harvested Acres	Yield per acre Bu.	Pro-duction Bu.
Chaffee .....	...	...	...	...	...	...	...	...	...	...
Clear Creek ..	...	...	...	...	...	...	...	...	...	...
Eagle .....	...	...	...	...	...	...	...	...	...	...
Gilpin .....	...	...	...	...	...	...	...	...	...	...
Grand .....	...	...	...	...	...	...	...	...	...	...
Gunnison .....	...	...	...	...	...	...	...	...	...	...
Jackson .....	...	...	...	...	...	...	...	...	...	...
Lake .....	...	...	...	...	...	...	...	...	...	...
Moffat	3,600	...	...	...	3,500	16.5	58,000	3,500	16.5	58,000
Park .....	...	...	...	...	...	...	...	...	...	...
Pitkin .....	...	...	...	...	...	...	...	...	...	...
Rio Blanco ...	500	...	...	...	500	18.0	9,000	500	18.0	9,000
Routt	2,000	...	...	...	2,000	21.5	43,000	2,000	21.5	43,000
Summit .....	...	...	...	...	...	...	...	...	...	...
Teller .....	...	...	...	...	...	...	...	...	...	...
NW & Mountain	6,100	...	...	...	6,000	18.5	110,000	6,000	18.5	110,000
Boulder	1,000	1,000	50.0	50,000	...	...	...	1,000	50.0	50,000
Jefferson ....	...	...	...	...	...	...	...	...	...	...
Larimer	2,000	1,000	66.0	66,000	1,000	42.0	42,000	2,000	54.0	108,000
Logan	1,000	...	...	...	1,000	31.0	31,000	1,000	31.0	31,000
Morgan	1,000	600	48.5	29,000	400	17.5	7,000	1,000	36.0	36,000
Sedgwick ....	...	...	...	...	...	...	...	...	...	...
Weld	7,300	4,400	44.5	195,000	1,600	19.0	30,000	6,000	37.5	225,000
Northeast	12,300	7,000	48.5	340,000	4,000	27.5	110,000	11,000	41.0	450,000

Spring Wheat: Acreage and production by county and district, Colorado, 1996, continued

County and District	Acreage planted	Irrigated			Non-Irrigated			Total		
		Acreage harvested	Yield per acre	Pro-duction	Acreage harvested	Yield per acre	Pro-duction	Acreage harvested	Yield per acre	Pro-duction
	Acres	Acres	Bu.	Bu.	Acres	Bu.	Bu.	Acres	Bu.	Bu.
Adams	1,100	...	...	...	1,000	20.0	20,000	1,000	20.0	20,000
Arapahoe .....	...	...	...	...	...	...	...	...	...	...
Cheyenne .....	...	...	...	...	...	...	...	...	...	...
Denver .....	...	...	...	...	...	...	...	...	...	...
Douglas .....	...	...	...	...	...	...	...	...	...	...
Elbert .....	...	...	...	...	...	...	...	...	...	...
El Paso .....	...	...	...	...	...	...	...	...	...	...
Kiowa .....	...	...	...	...	...	...	...	...	...	...
Kit Carson .....	...	...	...	...	...	...	...	...	...	...
Lincoln .....	...	...	...	...	...	...	...	...	...	...
Phillips .....	...	...	...	...	...	...	...	...	...	...
Washington ..	2,000	...	...	...	2,000	16.0	32,000	2,000	16.0	32,000
Yuma	1,100	...	...	...	1,000	18.0	18,000	1,000	18.0	18,000
East Central	4,200	...	...	...	4,000	17.5	70,000	4,000	17.5	70,000
Archuleta .....	...	...	...	...	...	...	...	...	...	...
Delta	1,000	1,000	70.0	70,000	...	...	...	1,000	70.0	70,000
Dolores	1,000	...	...	...	1,000	10.0	10,000	1,000	10.0	10,000
Garfield .....	...	...	...	...	...	...	...	...	...	...
Hinsdale .....	...	...	...	...	...	...	...	...	...	...
La Plata .....	...	...	...	...	...	...	...	...	...	...
Mesa .....	...	...	...	...	...	...	...	...	...	...
Montezuma ..	...	...	...	...	...	...	...	...	...	...
Montrose	2,100	2,000	77.5	155,000	...	...	...	2,000	77.5	155,000
Ouray .....	...	...	...	...	...	...	...	...	...	...
San Juan .....	...	...	...	...	...	...	...	...	...	...
San Miguel ..	...	...	...	...	...	...	...	...	...	...
Southwest	4,100	3,000	75.0	225,000	1,000	10.0	10,000	4,000	59.0	235,000
Alamosa	8,100	8,000	104.5	837,000	...	...	...	8,000	104.5	837,000
Conejos	1,000	1,000	86.0	86,000	...	...	...	1,000	86.0	86,000
Costilla	3,000	3,000	72.5	218,000	...	...	...	3,000	72.5	218,000
Mineral .....	...	...	...	...	...	...	...	...	...	...
Rio Grande ..	14,100	14,000	101.0	1,417,000	...	...	...	14,000	101.0	1,417,000
Saguache	17,100	17,000	98.5	1,677,000	...	...	...	17,000	98.5	1,677,000
San Luis Valley	43,300	43,000	98.5	4,235,000	...	...	...	43,000	98.5	4,235,000
Baca .....	...	...	...	...	...	...	...	...	...	...
Bent .....	...	...	...	...	...	...	...	...	...	...
Crowley .....	...	...	...	...	...	...	...	...	...	...
Custer .....	...	...	...	...	...	...	...	...	...	...
Fremont .....	...	...	...	...	...	...	...	...	...	...
Huerfano .....	...	...	...	...	...	...	...	...	...	...
Las Animas ..	...	...	...	...	...	...	...	...	...	...
Otero .....	...	...	...	...	...	...	...	...	...	...
Prowers .....	...	...	...	...	...	...	...	...	...	...
Pueblo .....	...	...	...	...	...	...	...	...	...	...
Southeast	...	...	...	...	...	...	...	...	...	...
State Total	70,000	53,000	90.5	4,800,000	15,000	20.0	300,000	68,000	75.0	5,100,000

THE COLORADO CORN STORY

Prepared by:

Harold D. Smedley, Executive Director
Colorado Corn Administrative Committee

“The past and the future have already been written — in the genetic code. If only we could afford to read the book. . .” Jim McLaran, Inverzion International, Inc.

Where We Have Been

Corn, a very minor commodity crop early in Colorado's history has advanced to become the top producing grain crop in the state since 1986. When records began in 1879, Colorado producers harvested only 455 thousand bushels of corn from 23,000 acres which averaged 19.8 bushels per acre. In 1996, producers harvested 133.48 million bushels from 960,000 acres averaging 142.0 bushels per acre. In addition, 90,000 acres of corn were harvested for silage which yielded 1.9 million tons of feed for the state's dairy and beef cattle. The value of the 1996 corn grain and silage crops was estimated at an all-time record high of \$414 million.

Corn acreage increased steadily from 1879 through 1896, declined slightly for the next three years, and then increased every year from 1900 through 1917 when 840 thousand acres were harvested. In 1920, more than 1 million acres were harvested, and the all-time high acreage in the state was reached in 1932 when 1.86 million acres were harvested for all purposes. In that year, 1.49 million acres were harvested for grain, 69 thousand acres were harvested for silage, and 298 thousand acres were utilized as forage. The planted acreage in 1932 was 2.58 million acres. Adverse weather conditions in that year caused 721 thousand acres to be abandoned. Except for 1934, producers harvested more than 1.0 million acres for all purposes each year during

1920 through 1938. The harvested acreage then moved downward to a low of 366 thousand acres in 1964. Another upward movement increased the acreage to just over 1.0 million again in 1979.

In earlier years, corn was primarily grown under dryland conditions and crop yields were highly vulnerable to moisture shortages and/or hot drying winds at pollination time. The state's average yield for grain corn did not reach above 30 bushels per acre until 1956 when just over 68 percent of the harvested acreage was grown under irrigation. Between 1975 and 1990, more than 95 percent of the state's corn for grain crop was produced on irrigated land. However, since 1991 more eastern Colorado producers have begun using dryland corn in rotation with other dryland crops such as wheat, sunflowers, and millet (including a year of summer fallow in the mix, depending on soil moisture supplies). The percentage of dryland corn has increased to nearly 12 percent of the total in 1996.

Where We Are

Faced with large Colorado crops, large national crops and building surpluses of corn, the Colorado Corn Growers Association (CCGA) worked in 1987 to establish a marketing order for corn. By statewide

referendum, corn growers passed a 1 cent per bushel assessment on corn produced in Colorado. The funds are managed by the 11 farmer-member, farmer-elected board and alternates of the Colorado Corn Administrative Committee (CCAC), and are invested in programs to stimulate long-term marketing opportunities through education, research and development, and market promotion.

The CCGA and CCAC work cooperatively to develop and maintain working relationships with related industries and agricultural associations appropriate to their missions and purposes.

It is estimated that Colorado has the second highest ratio of livestock on feed to corn production in the nation. In spite of impressive corn consumption increases nationally for industrial uses, Colorado's corn disappearance is largely accounted for by livestock.

Favorable characteristics of the corn plant made it the nation's first major crop beneficially manipulated genetically. The continuing development of hybrid traits make the plant more drought tolerant, less susceptible to insects, and vastly higher yielding. These capabilities have kept the corn crop in the forefront of productivity and has aided end use livestock and poultry industries in their expanded production for both domestic and international markets.

Where We Are Going

Corn production is entering a new and exciting era. Harvest of the 1996 corn crop marked the first significant commercial application of modern plant biotechnology to America's leading field crop. A portion of that crop designed to be naturally resistant to attack by the European Corn Borer has entered the commodity corn market.

This and other examples of recombinant DNA technology are making it possible to produce required volumes of corn with enhanced characteristics directed toward specific end uses. Often referred to as "designer corn", "specific trait", "specialty attribute", and "value enhanced corn", they all describe the same reality: the biotechnology impact on the corn crop, and those diverse industries dependent upon it, is before us as a tool for increased productivity from field to consumer, for increased profitability, and environmental enhancement.

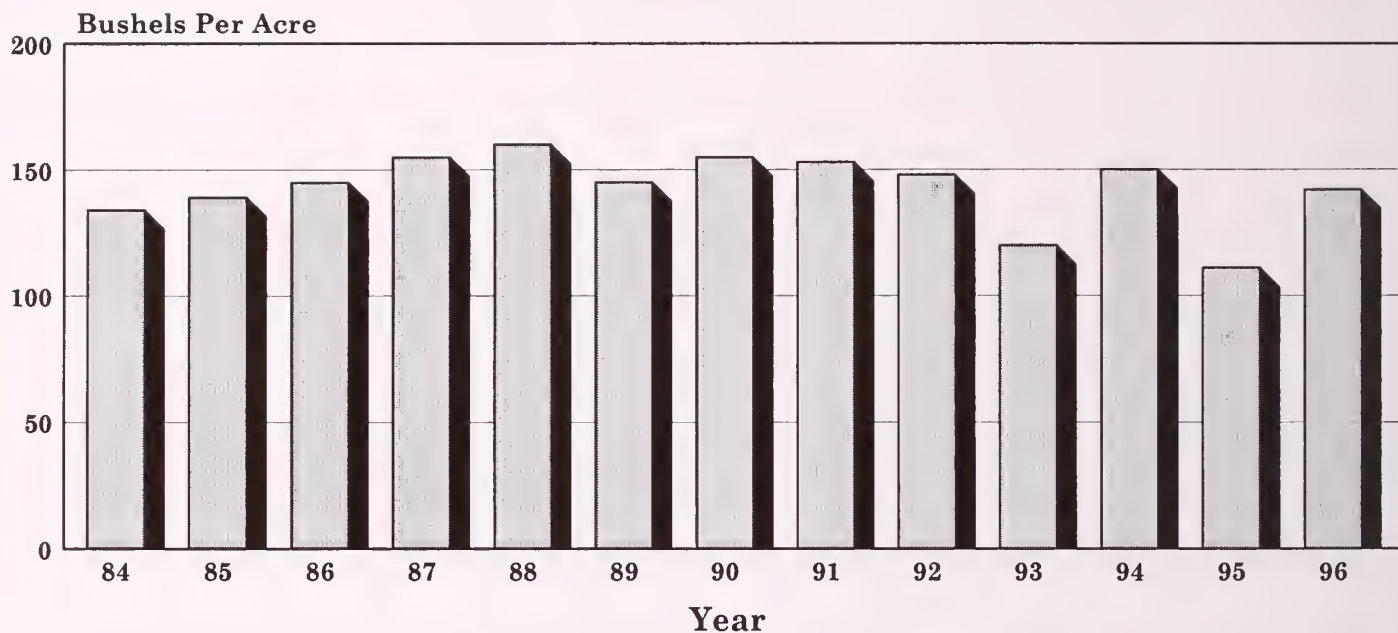
As with all evolutionary developments, progress in the face of exciting possibilities is neither inevitable or automatic. Adoption of these new tools will require understanding and vision. Both will have to be shared and embraced by corn growers, corn purchasing industries, and consumers. New and different relationships will have to be conceived and developed based upon mutual benefit. Enlightened self interest must be served at all points from production to consumption.

Only a few short years ago we began to see value added to the corn crop through newly developed technologies in the corn processing industries. Converting the fractions of corn (starch, protein, and oil) to price competitive, environmentally safe industrial products is commonplace. Those developments, as well as traditional livestock and poultry uses of corn, can now be enhanced by the introduction of specific traits beneficial to various end-use industries. Corn is going "high tech", and Colorado's corn growers are taking it there.

On the immediate horizon is a program to clone, sequence, and map the approximately 50,000 genes which control growth, development, yield, and quality in corn. Mapping the corn genome will help ensure U.S. agriculture leadership in a rapidly changing global marketplace.

CORN FOR GRAIN

Average Yield 1984 - 96



Corn for Grain: Acreage and production by county and district, Colorado, 1995

County and District	Acreage planted 1/	Irrigated			Non-Irrigated			Total		
		Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production
	Acres	Acres	Bu.	Bu.	Acres	Bu.	Bu.	Acres	Bu.	Bu.
Chaffee .....	...	...	...	...	...	...	...	...	...	...
Clear Creek ..	...	...	...	...	...	...	...	...	...	...
Eagle .....	...	...	...	...	...	...	...	...	...	...
Gilpin .....	...	...	...	...	...	...	...	...	...	...
Grand .....	...	...	...	...	...	...	...	...	...	...
Gunnison .....	...	...	...	...	...	...	...	...	...	...
Jackson .....	...	...	...	...	...	...	...	...	...	...
Lake .....	...	...	...	...	...	...	...	...	...	...
Moffat .....	...	...	...	...	...	...	...	...	...	...
Park .....	...	...	...	...	...	...	...	...	...	...
Pitkin .....	...	...	...	...	...	...	...	...	...	...
Rio Blanco ...	...	...	...	...	...	...	...	...	...	...
Routt .....	...	...	...	...	...	...	...	...	...	...
Summit .....	...	...	...	...	...	...	...	...	...	...
Teller .....	...	...	...	...	...	...	...	...	...	...
NW & Mountain	...	...	...	...	...	...	...	...	...	...
Boulder	7,000	5,000	97.0	485,000	...	...	...	5,000	97.0	485,000
Jefferson .....	...	...	...	...	...	...	...	...	...	...
Larimer	24,000	15,000	116.5	1,745,000	...	...	...	15,000	116.5	1,745,000
Logan	67,400	46,000	113.5	5,220,000	15,000	32.0	480,000	61,000	93.5	5,700,000
Morgan	90,400	72,500	126.5	9,165,000	8,500	20.0	170,000	81,000	115.0	9,335,000
Sedgwick	50,500	37,000	123.0	4,545,000	11,000	40.0	440,000	48,000	104.0	4,985,000
Weld	142,700	99,500	117.5	11,710,000	500	20.0	10,000	100,000	117.0	11,720,000
Northeast	382,000	275,000	119.5	32,870,000	35,000	31.5	1,100,000	310,000	109.5	33,970,000

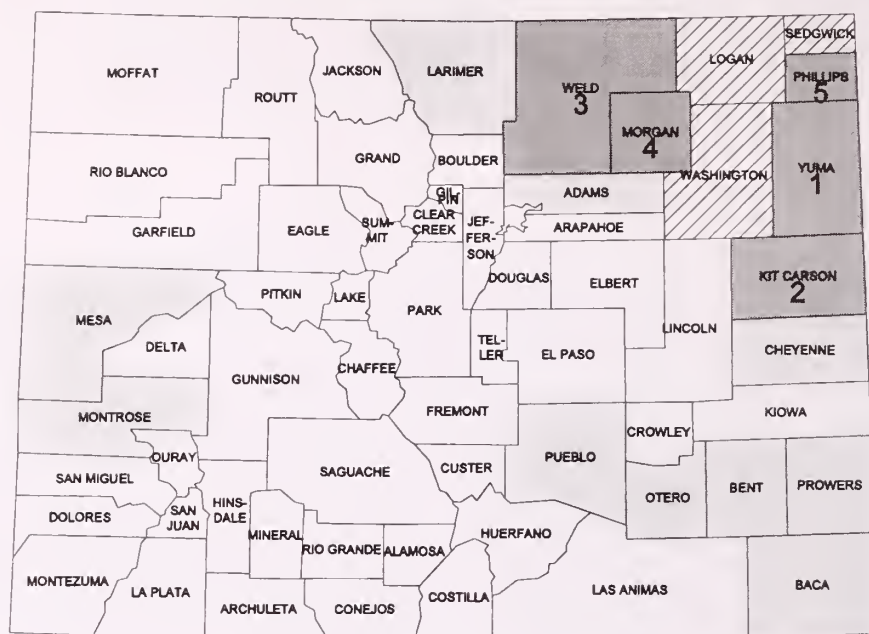
1/ Planted for all purposes.

Corn for Grain: Acreage and production by county and district, Colorado, 1995, continued

County and District	Acreage planted 1/	Irrigated			Non-Irrigated			Total		
		Acreage har-vested	Yield per acre	Pro-duction	Acreage har-vested	Yield per acre	Pro-duction	Acreage har-vested	Yield per acre	Pro-duction
	Acres	Acres	Bu.	Bu.	Acres	Bu.	Bu.	Acres	Bu.	Bu.
Adams	13,000	9,000	108.0	970,000	2,500	22.0	55,000	11,500	89.0	1,025,000
Arapahoe	1,400	...	...	...	1,000	30.0	30,000	1,000	30.0	30,000
Cheyenne	10,900	9,000	120.0	1,080,000	1,500	34.5	52,000	10,500	108.0	1,132,000
Denver .....	...	...	...	...	...	...	...	...	...	...
Douglas .....	...	...	...	...	...	...	...	...	...	...
Elbert	400	...	...	...	...	...	...	...	...	...
El Paso	400	...	...	...	...	...	...	...	...	...
Kiowa	3,500	1,500	120.0	180,000	1,000	35.0	35,000	2,500	86.0	215,000
Kit Carson ...	96,500	78,000	109.5	8,540,000	10,000	39.5	395,000	88,000	101.5	8,935,000
Lincoln	3,100	1,000	120.0	120,000	1,000	43.0	43,000	2,000	81.5	163,000
Phillips	88,500	60,000	124.5	7,480,000	24,000	39.5	950,000	84,000	100.5	8,430,000
Washington ..	33,000	16,500	104.0	1,720,000	14,000	33.5	470,000	30,500	72.0	2,190,000
Yuma	205,300	190,000	125.5	23,850,000	10,000	32.0	320,000	200,000	121.0	24,170,000
East Central	456,000	365,000	120.5	43,940,000	65,000	36.0	2,350,000	430,000	107.5	46,290,000
Archuleta ....	...	...	...	...	...	...	...	...	...	...
Delta	7,700	4,000	136.5	545,000	...	...	...	4,000	136.5	545,000
Dolores .....	...	...	...	...	...	...	...	...	...	...
Garfield	1,400	1,000	110.0	110,000	...	...	...	1,000	110.0	110,000
Hinsdale .....	...	...	...	...	...	...	...	...	...	...
La Plata .....	...	...	...	...	...	...	...	...	...	...
Mesa	10,000	7,000	134.5	940,000	...	...	...	7,000	134.5	940,000
Montezuma ..	1,400	1,000	175.0	175,000	...	...	...	1,000	175.0	175,000
Montrose	10,500	7,000	137.0	960,000	...	...	...	7,000	137.0	960,000
Ouray .....	...	...	...	...	...	...	...	...	...	...
San Juan .....	...	...	...	...	...	...	...	...	...	...
San Miguel ..	...	...	...	...	...	...	...	...	...	...
Southwest	31,000	20,000	136.5	2,730,000	...	...	...	20,000	136.5	2,730,000
Alamosa .....	...	...	...	...	...	...	...	...	...	...
Conejos .....	...	...	...	...	...	...	...	...	...	...
Costilla .....	...	...	...	...	...	...	...	...	...	...
Mineral .....	...	...	...	...	...	...	...	...	...	...
Rio Grande ..	...	...	...	...	...	...	...	...	...	...
Saguache .....	...	...	...	...	...	...	...	...	...	...
San Luis Valley	...	...	...	...	...	...	...	...	...	...
Baca	21,500	20,000	134.0	2,675,000	...	...	...	20,000	134.0	2,675,000
Bent	9,000	7,000	111.5	780,000	...	...	...	7,000	111.5	780,000
Crowley	2,600	2,000	102.5	205,000	...	...	...	2,000	102.5	205,000
Custer .....	...	...	...	...	...	...	...	...	...	...
Fremont	500	...	...	...	...	...	...	...	...	...
Huerfano .....	...	...	...	...	...	...	...	...	...	...
Las Animas ..	700	400	112.5	45,000	...	...	...	400	112.5	45,000
Otero	18,400	16,800	149.0	2,500,000	...	...	...	16,800	149.0	2,500,000
Prowers	21,700	18,000	124.5	2,240,000	...	...	...	18,000	124.5	2,240,000
Pueblo	6,600	5,800	120.0	695,000	...	...	...	5,800	120.0	695,000
Southeast	81,000	70,000	130.5	9,140,000	...	...	...	70,000	130.5	9,140,000
State Total	950,000	730,000	121.5	88,680,000	100,000	34.5	3,450,000	830,000	111.0	92,130,000

1/ Planted for all purposes.

Corn for Grain: Production by County, Colorado, 1996 with Ranking of First Five Counties



BUSHEL



Corn for Grain: Acreage and production by county and district, Colorado, 1996

County and District	Acreage planted 1/	Irrigated			Non-Irrigated			Total		
		Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production
	Acres	Acres	Bu.	Bu.	Acres	Bu.	Bu.	Acres	Bu.	Bu.
Chaffee .....	...	...	...	...	...	...	...	...	...	...
Clear Creek ..	...	...	...	...	...	...	...	...	...	...
Eagle .....	...	...	...	...	...	...	...	...	...	...
Gilpin .....	...	...	...	...	...	...	...	...	...	...
Grand .....	...	...	...	...	...	...	...	...	...	...
Gunnison ....	...	...	...	...	...	...	...	...	...	...
Jackson .....	...	...	...	...	...	...	...	...	...	...
Lake .....	...	...	...	...	...	...	...	...	...	...
Moffat .....	...	...	...	...	...	...	...	...	...	...
Park .....	...	...	...	...	...	...	...	...	...	...
Pitkin .....	...	...	...	...	...	...	...	...	...	...
Rio Blanco ...	...	...	...	...	...	...	...	...	...	...
Routt .....	...	...	...	...	...	...	...	...	...	...
Summit .....	...	...	...	...	...	...	...	...	...	...
Teller .....	...	...	...	...	...	...	...	...	...	...
NW & Mountain	...	...	...	...	...	...	...	...	...	...
Boulder	7,000	6,000	152.5	915,000	...	...	...	6,000	152.5	915,000
Jefferson ....	...	...	...	...	...	...	...	...	...	...
Larimer	24,200	16,000	145.5	2,325,000	...	...	...	16,000	145.5	2,325,000
Logan	74,200	51,000	148.0	7,560,000	16,000	59.0	945,000	67,000	127.0	8,505,000
Morgan	89,500	74,000	155.5	11,500,000	6,000	48.5	290,000	80,000	147.5	11,790,000
Sedgwick	63,000	48,500	151.5	7,340,000	12,500	76.5	955,000	61,000	136.0	8,295,000
Weld	153,100	108,500	138.0	14,960,000	1,500	40.0	60,000	110,000	136.5	15,020,000
Northeast	411,000	304,000	146.5	44,600,000	36,000	62.5	2,250,000	340,000	138.0	46,850,000

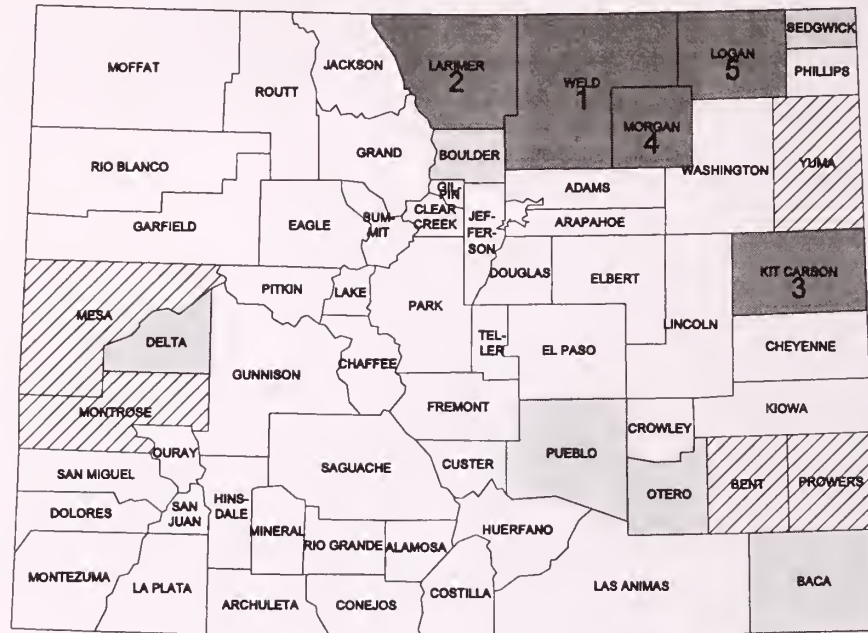
1/ Planted for all purposes.

Corn for Grain: Acreage and production by county and district, Colorado, 1996, continued

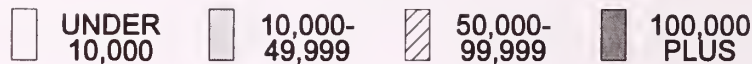
County and District	Acreage planted 1/	Irrigated			Non-Irrigated			Total		
		Acreage har-vested	Yield per acre	Pro-duction	Acreage har-vested	Yield per acre	Pro-duction	Acreage har-vested	Yield per acre	Pro-duction
	Acres	Acres	Bu.	Bu.	Acres	Bu.	Bu.	Acres	Bu.	Bu.
Adams	14,700	11,000	132.0	1,450,000	3,000	35.0	105,000	14,000	111.0	1,555,000
Arapahoe	700	500	100.0	50,000	...	...	...	500	100.0	50,000
Cheyenne	13,400	10,500	166.5	1,750,000	2,500	78.0	195,000	13,000	149.5	1,945,000
Denver .....	...	...	...	...	...	...	...	...	...	...
Douglas .....	...	...	...	...	...	...	...	...	...	...
Elbert .....	...	...	...	...	...	...	...	...	...	...
El Paso	400	...	...	...	...	...	...	...	...	...
Kiowa	2,900	2,000	160.0	320,000	500	50.0	25,000	2,500	138.0	345,000
Kit Carson ...	109,000	89,000	169.0	15,020,000	13,000	79.0	1,030,000	102,000	157.5	16,050,000
Lincoln	3,000	1,000	150.0	150,000	1,500	63.5	95,000	2,500	98.0	245,000
Phillips	100,000	69,000	136.0	9,400,000	26,000	64.0	1,660,000	95,000	116.5	11,060,000
Washington ..	43,700	26,000	152.5	3,960,000	16,500	65.5	1,080,000	42,500	118.5	5,040,000
Yuma	238,200	222,000	153.0	34,000,000	11,000	69.0	760,000	233,000	149.0	34,760,000
East Central	526,000	431,000	153.5	66,100,000	74,000	67.0	4,950,000	505,000	140.5	71,050,000
Archuleta ....	...	...	...	...	...	...	...	...	...	...
Delta	7,000	5,000	160.0	800,000	...	...	...	5,000	160.0	800,000
Dolores .....	...	...	...	...	...	...	...	...	...	...
Garfield .....	...	...	...	...	...	...	...	...	...	...
Hinsdale ....	...	...	...	...	...	...	...	...	...	...
La Plata .....	...	...	...	...	...	...	...	...	...	...
Mesa	11,300	8,000	137.5	1,100,000	...	...	...	8,000	137.5	1,100,000
Montezuma ..	1,900	1,500	173.5	260,000	...	...	...	1,500	173.5	260,000
Montrose	11,800	8,500	167.0	1,420,000	...	...	...	8,500	167.0	1,420,000
Ouray .....	...	...	...	...	...	...	...	...	...	...
San Juan ....	...	...	...	...	...	...	...	...	...	...
San Miguel ..	...	...	...	...	...	...	...	...	...	...
Southwest	32,000	23,000	155.5	3,580,000	...	...	...	23,000	155.5	3,580,000
Alamosa .....	...	...	...	...	...	...	...	...	...	...
Conejos .....	...	...	...	...	...	...	...	...	...	...
Costilla .....	...	...	...	...	...	...	...	...	...	...
Mineral .....	...	...	...	...	...	...	...	...	...	...
Rio Grande ..	...	...	...	...	...	...	...	...	...	...
Saguache ....	...	...	...	...	...	...	...	...	...	...
San Luis Valley	...	...	...	...	...	...	...	...	...	...
Baca	18,000	16,500	191.0	3,150,000	...	...	...	16,500	191.0	3,150,000
Bent	11,000	8,000	135.0	1,080,000	...	...	...	8,000	135.0	1,080,000
Crowley	3,500	3,500	133.0	465,000	...	...	...	3,500	133.0	465,000
Custer .....	...	...	...	...	...	...	...	...	...	...
Fremont .....	...	...	...	...	...	...	...	...	...	...
Huerfano ....	...	...	...	...	...	...	...	...	...	...
Las Animas ..	1,000	1,000	145.0	145,000	...	...	...	1,000	145.0	145,000
Otero	19,300	18,000	168.5	3,030,000	...	...	...	18,000	168.5	3,030,000
Prowers	21,500	19,000	163.5	3,110,000	...	...	...	19,000	163.5	3,110,000
Pueblo	6,700	6,000	170.0	1,020,000	...	...	...	6,000	170.0	1,020,000
Southeast	81,000	72,000	166.5	12,000,000	...	...	...	72,000	166.5	12,000,000
State Total	1,050,000	830,000	152.0	126,280,000	110,000	65.5	7,200,000	940,000	142.0	133,480,000

1/ Planted for all purposes.

Corn for Silage: Production by County, Colorado, 1995-1996 with Ranking of First Five Counties



TONS



Corn for Silage: Acreage and production by county and district, Colorado, 1995-1996

County and District	Acreage planted 1/		Acreage harvested		Yield per acre		Production	
	1995	1996	1995	1996	1995	1996	1995	1996
	Acres		Acres		Tons		Tons	
Chaffee .....	...	...	...	...	...	...	...	...
Clear Creek .....	...	...	...	...	...	...	...	...
Eagle .....	...	...	...	...	...	...	...	...
Gilpin .....	...	...	...	...	...	...	...	...
Grand .....	...	...	...	...	...	...	...	...
Gunnison .....	...	...	...	...	...	...	...	...
Jackson .....	...	...	...	...	...	...	...	...
Lake .....	...	...	...	...	...	...	...	...
Moffat .....	...	...	...	...	...	...	...	...
Park .....	...	...	...	...	...	...	...	...
Pitkin .....	...	...	...	...	...	...	...	...
Rio Blanco .....	...	...	...	...	...	...	...	...
Routt .....	...	...	...	...	...	...	...	...
Summit .....	...	...	...	...	...	...	...	...
Teller .....	...	...	...	...	...	...	...	...
NW & Mountain .....	...	...	...	...	...	...	...	...
Boulder	7,000	7,000	1,700	1,000	16.0	20.0	27,000	20,000
Jefferson .....	...	...	...	...	...	...	...	...
Larimer	24,000	24,200	9,000	8,000	20.0	22.0	180,000	175,000
Logan	67,400	74,200	6,000	4,500	20.0	24.5	120,000	110,000
Morgan	90,400	89,500	8,000	6,000	19.0	21.5	152,000	130,000
Sedgwick	50,500	63,000	800	900	20.0	16.5	16,000	15,000
Weld	142,700	153,100	41,500	39,600	21.5	22.0	885,000	870,000
Northeast	382,000	411,000	67,000	60,000	20.5	22.0	1,380,000	1,320,000

1/ Planted for all purposes.

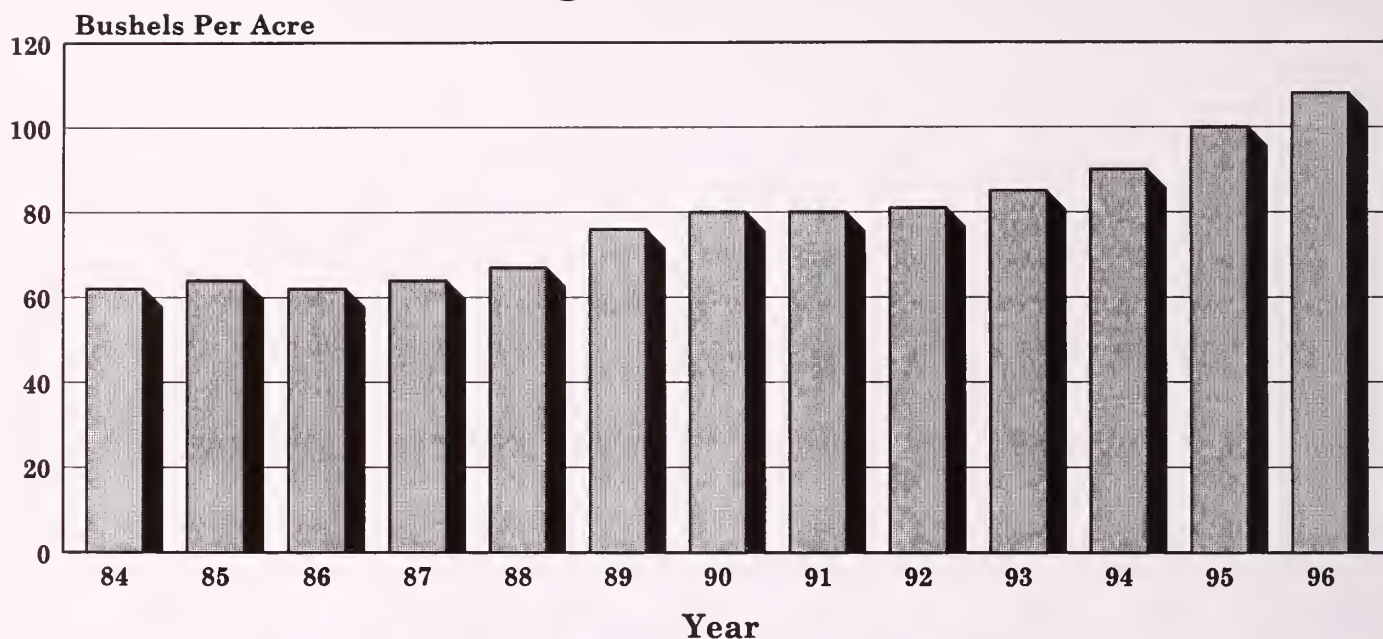
Corn for Silage: Acreage and production by county and district, Colorado, 1995-1996, continued

County and District	Acreage planted ^{1/}		Acreage harvested		Yield per acre		Production	
	1995	1996	1995	1996	1995	1996	1995	1996
	Acres		Acres		Tons		Tons	
Adams	13,000	14,700	700	400	21.5	22.5	15,000	9,000
Arapahoe	1,400	700	400	...	22.5	...	9,000	...
Cheyenne	10,900	13,400	400	400	17.5	20.0	7,000	8,000
Denver .....	...	...	...	...	...	...	...	...
Douglas .....	...	...	...	...	...	...	...	...
Elbert	400	...	400	...	10.0	...	4,000	...
El Paso	400	400	400	400	17.5	20.0	7,000	8,000
Kiowa	3,500	2,900	500	400	10.0	15.0	5,000	6,000
Kit Carson	96,500	109,000	7,800	7,000	21.0	22.0	163,000	154,000
Lincoln	3,100	3,000	600	400	10.0	15.0	6,000	6,000
Phillips	88,500	100,000	600	400	11.5	12.5	7,000	5,000
Washington	33,000	43,700	1,300	600	13.0	15.0	17,000	9,000
Yuma	205,300	238,200	3,900	2,500	19.0	20.0	75,000	50,000
East Central	456,000	526,000	17,000	12,500	18.5	20.5	315,000	255,000
Archuleta .....	...	...	...	...	...	...	...	...
Delta	7,700	7,000	3,700	2,000	22.5	18.5	84,000	37,000
Dolores .....	...	...	...	...	...	...	...	...
Garfield	1,400	...	400	...	20.0	...	8,000	...
Hinsdale .....	...	...	...	...	...	...	...	...
La Plata .....	...	...	...	...	...	...	...	...
Mesa	10,000	11,300	3,000	3,300	19.0	18.5	57,000	61,000
Montezuma	1,400	1,900	400	400	17.5	15.0	7,000	6,000
Montrose	10,500	11,800	3,500	3,300	18.5	20.0	64,000	66,000
Ouray .....	...	...	...	...	...	...	...	...
San Juan .....	...	...	...	...	...	...	...	...
San Miguel .....	...	...	...	...	...	...	...	...
Southwest	31,000	32,000	11,000	9,000	20.0	19.0	220,000	170,000
Alamosa .....	...	...	...	...	...	...	...	...
Conejos .....	...	...	...	...	...	...	...	...
Costilla .....	...	...	...	...	...	...	...	...
Mineral .....	...	...	...	...	...	...	...	...
Rio Grande .....	...	...	...	...	...	...	...	...
Saguache .....	...	...	...	...	...	...	...	...
San Luis Valley	...	...	...	...	...	...	...	...
Baca	21,500	18,000	1,000	1,500	16.0	18.0	16,000	27,000
Bent	9,000	11,000	2,000	2,600	16.0	25.0	32,000	65,000
Crowley	2,600	3,500	600	...	20.0	...	12,000	...
Custer .....	...	...	...	...	...	...	...	...
Fremont	500	...	500	...	18.0	...	9,000	...
Huerfano .....	...	...	...	...	...	...	...	...
Las Animas	700	1,000	300	...	20.0	...	6,000	...
Otero	18,400	19,300	1,500	1,300	22.5	20.0	34,000	26,000
Prowers	21,700	21,500	3,500	2,500	18.5	23.5	64,000	59,000
Pueblo	6,600	6,700	600	600	20.0	21.5	12,000	13,000
Southeast	81,000	81,000	10,000	8,500	18.5	22.5	185,000	190,000
State Total	950,000	1,050,000	105,000	90,000	20.0	21.5	2,100,000	1,935,000

^{1/} Planted for all purposes.

BARLEY

Average Yield 1984 - 96



Barley: Acreage and production by county and district, Colorado, 1995

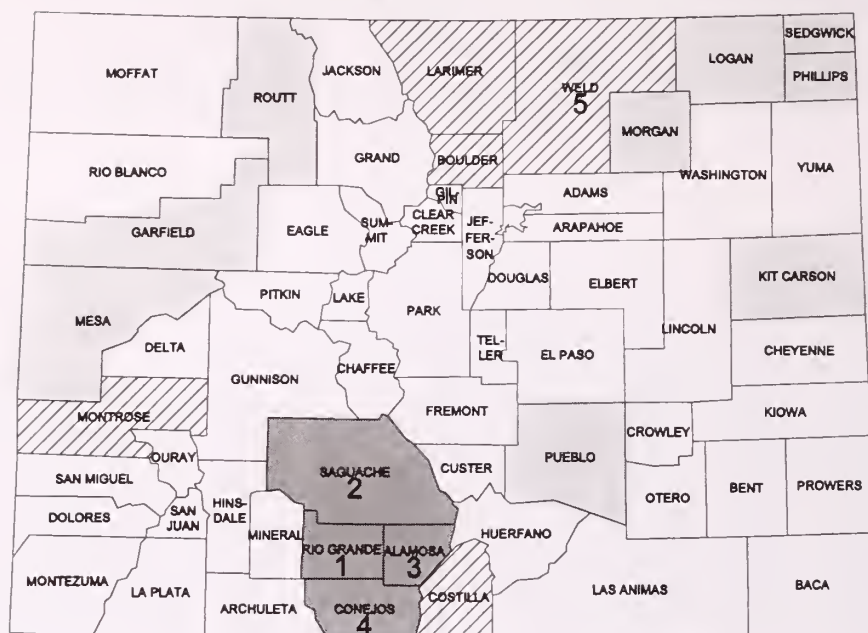
County and District	Acreage planted	Irrigated			Non-Irrigated			Total		
		Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production
	Acres	Acres	Bu.	Bu.	Acres	Bu.	Bu.	Acres	Bu.	Bu.
Chaffee .....	...	...	...	...	...	...	...	...	...	...
Clear Creek ..	...	...	...	...	...	...	...	...	...	...
Eagle .....	...	...	...	...	...	...	...	...	...	...
Gilpin .....	...	...	...	...	...	...	...	...	...	...
Grand .....	...	...	...	...	...	...	...	...	...	...
Gunnison ....	...	...	...	...	...	...	...	...	...	...
Jackson .....	...	...	...	...	...	...	...	...	...	...
Lake .....	...	...	...	...	...	...	...	...	...	...
Moffat	900	...	...	...	800	20.0	16,000	800	20.0	16,000
Park .....	...	...	...	...	...	...	...	...	...	...
Pitkin .....	...	...	...	...	...	...	...	...	...	...
Rio Blanco ...	...	...	...	...	...	...	...	...	...	...
Routt	2,600	...	...	...	2,500	32.5	81,000	2,500	32.5	81,000
Summit .....	...	...	...	...	...	...	...	...	...	...
Teller .....	...	...	...	...	...	...	...	...	...	...
NW & Mountain	3,500	...	...	...	3,300	29.5	97,000	3,300	29.5	97,000
Boulder	2,100	1,600	87.5	140,000	400	45.0	18,000	2,000	79.0	158,000
Jefferson ....	...	...	...	...	...	...	...	...	...	...
Larimer	4,300	4,200	93.0	390,000	...	...	...	4,200	93.0	390,000
Logan	600	200	77.5	15,500	400	20.0	8,000	600	39.0	23,500
Morgan	1,300	500	92.0	46,000	700	38.5	27,000	1,200	61.0	73,000
Sedgwick	1,600	300	85.0	25,500	1,100	29.0	32,000	1,400	41.0	57,500
Weld	15,600	10,000	99.5	995,000	3,600	41.0	148,000	13,600	84.0	1,143,000
Northeast	25,500	16,800	96.0	1,612,000	6,200	37.5	233,000	23,000	80.0	1,845,000

Barley: Acreage and production by county and district, Colorado, 1995, continued

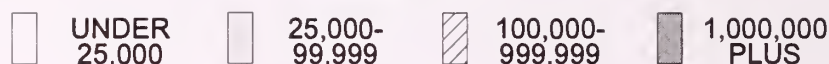
County and District	Acreage planted	Irrigated			Non-Irrigated			Total		
		Acreage har-vested	Yield per acre	Pro-duction	Acreage har-vested	Yield per acre	Pro-duction	Acreage har-vested	Yield per acre	Pro-duction
	Acres	Acres	Bu.	Bu.	Acres	Bu.	Bu.	Acres	Bu.	Bu.
Adams	700	400	95.0	38,000	200	45.0	9,000	600	78.5	47,000
Arapahoe	1,000	100	80.0	8,000	600	40.0	24,000	700	45.5	32,000
Cheyenne .....	...	...	...	...	...	...	...	...	...	...
Denver .....	...	...	...	...	...	...	...	...	...	...
Douglas .....	...	...	...	...	...	...	...	...	...	...
Elbert .....	...	...	...	...	...	...	...	...	...	...
El Paso .....	...	...	...	...	...	...	...	...	...	...
Kiowa .....	...	...	...	...	...	...	...	...	...	...
Kit Carson ...	600	300	80.0	24,000	200	35.0	7,000	500	62.0	31,000
Lincoln .....	...	...	...	...	...	...	...	...	...	...
Phillips	700	...	...	...	600	31.5	19,000	600	31.5	19,000
Washington ..	600	200	75.0	15,000	300	30.0	9,000	500	48.0	24,000
Yuma	200	...	...	...	...	...	...	...	...	...
East Central	3,800	1,000	85.0	85,000	1,900	36.0	68,000	2,900	53.0	153,000
Archuleta .....	...	...	...	...	...	...	...	...	...	...
Delta .....	...	...	...	...	...	...	...	...	...	...
Dolores .....	...	...	...	...	...	...	...	...	...	...
Garfield	300	200	77.5	15,500	...	...	...	200	77.5	15,500
Hinsdale .....	...	...	...	...	...	...	...	...	...	...
La Plata .....	...	...	...	...	...	...	...	...	...	...
Mesa	1,000	900	110.0	99,000	...	...	...	900	110.0	99,000
Montezuma ..	...	...	...	...	...	...	...	...	...	...
Montrose	700	700	115.0	80,500	...	...	...	700	115.0	80,500
Ouray .....	...	...	...	...	...	...	...	...	...	...
San Juan ....	...	...	...	...	...	...	...	...	...	...
San Miguel ..	...	...	...	...	...	...	...	...	...	...
Southwest	2,000	1,800	108.5	195,000	...	...	...	1,800	108.5	195,000
Alamosa	12,000	11,000	125.5	1,378,000	...	...	...	11,000	125.5	1,378,000
Conejos	8,900	8,000	114.0	913,000	...	...	...	8,000	114.0	913,000
Costilla	5,800	5,500	112.0	617,000	...	...	...	5,500	112.0	617,000
Mineral .....	...	...	...	...	...	...	...	...	...	...
Rio Grande ..	24,100	23,000	118.0	2,719,000	...	...	...	23,000	118.0	2,719,000
Saguache	20,200	18,000	108.0	1,948,000	...	...	...	18,000	108.0	1,948,000
San Luis Valley	71,000	65,500	115.5	7,575,000	...	...	...	65,500	115.5	7,575,000
Baca	800	...	...	...	600	17.5	10,500	600	17.5	10,500
Bent	500	400	52.5	21,000	...	...	...	400	52.5	21,000
Crowley .....	...	...	...	...	...	...	...	...	...	...
Custer .....	...	...	...	...	...	...	...	...	...	...
Fremont .....	...	...	...	...	...	...	...	...	...	...
Huerfano ....	...	...	...	...	...	...	...	...	...	...
Las Animas ..	...	...	...	...	...	...	...	...	...	...
Otero	300	200	62.5	12,500	...	...	...	200	62.5	12,500
Prowers	900	500	54.0	27,000	200	17.5	3,500	700	43.5	30,500
Pueblo	1,700	300	71.5	21,500	1,300	30.0	39,000	1,600	38.0	60,500
Southeast	4,200	1,400	58.5	82,000	2,100	25.0	53,000	3,500	38.5	135,000
State Total	110,000	86,500	110.5	9,549,000	13,500	33.5	451,000	100,000	100.0	10,000,000

Barley: Production by County, Colorado, 1996

with Ranking of First Five Counties



BUSHEL



Barley: Acreage and production by county and district, Colorado, 1996

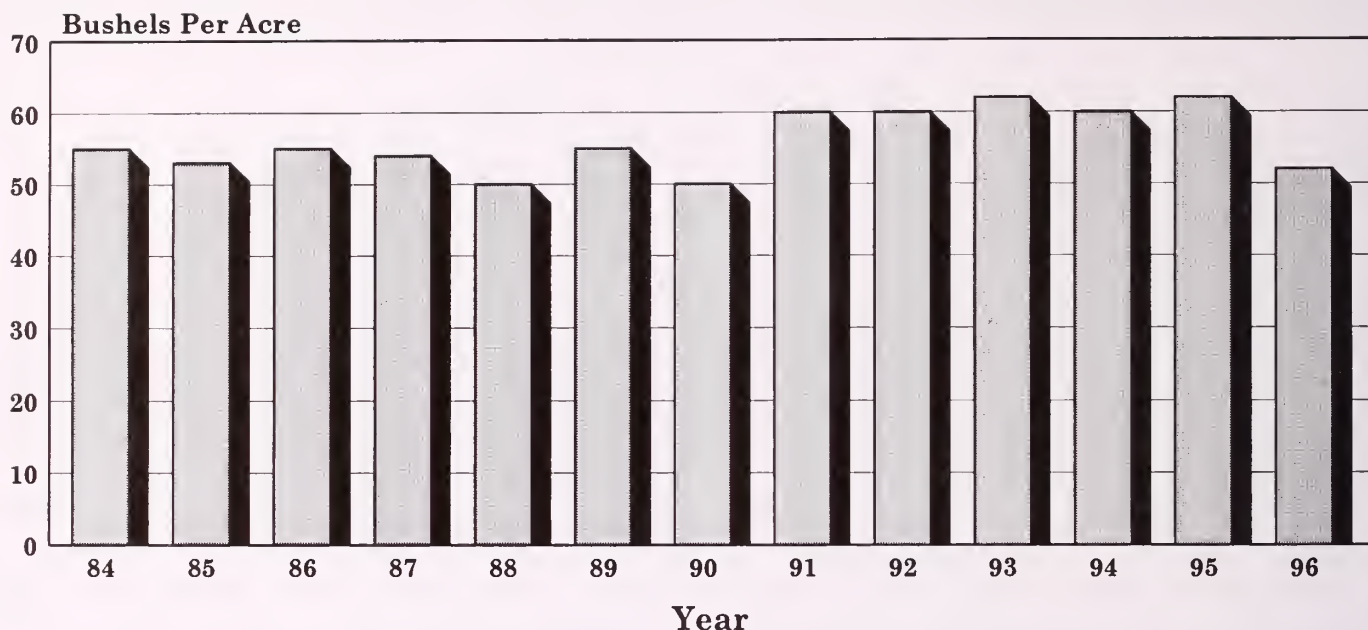
County and District	Acreage planted Acres	Irrigated			Non-Irrigated			Total		
		Acreage harvested Acres	Yield per acre Bu.	Production Bu.	Acreage harvested Acres	Yield per acre Bu.	Production Bu.	Acreage harvested Acres	Yield per acre Bu.	Production Bu.
Chaffee .....	...	...	...	...	...	...	...	...	...	...
Clear Creek ..	...	...	...	...	...	...	...	...	...	...
Eagle .....	...	...	...	...	...	...	...	...	...	...
Gilpin .....	...	...	...	...	...	...	...	...	...	...
Grand .....	...	...	...	...	...	...	...	...	...	...
Gunnison .....	...	...	...	...	...	...	...	...	...	...
Jackson .....	...	...	...	...	...	...	...	...	...	...
Lake .....	...	...	...	...	...	...	...	...	...	...
Moffat	300	...	...	...	300	20.0	6,000	300	20.0	6,000
Park .....	...	...	...	...	...	...	...	...	...	...
Pitkin .....	...	...	...	...	...	...	...	...	...	...
Rio Blanco ...	300	...	...	...	300	25.0	7,500	300	25.0	7,500
Routt	2,500	...	...	...	2,400	31.5	75,000	2,400	31.5	75,000
Summit .....	...	...	...	...	...	...	...	...	...	...
Teller .....	...	...	...	...	...	...	...	...	...	...
NW & Mountain	3,100	...	...	...	3,000	29.5	88,500	3,000	29.5	88,500
Boulder	3,000	1,600	75.0	120,000	1,400	35.0	49,000	3,000	56.5	169,000
Jefferson .....	...	...	...	...	...	...	...	...	...	...
Larimer	3,600	3,100	88.0	273,000	500	34.0	17,000	3,600	80.5	290,000
Logan	1,000	...	...	...	1,000	40.0	40,000	1,000	40.0	40,000
Morgan	1,600	300	90.0	27,000	1,200	30.0	36,000	1,500	42.0	63,000
Sedgwick	2,400	...	...	...	2,400	33.0	79,000	2,400	33.0	79,000
Weld	12,200	9,500	78.0	742,000	1,500	34.0	51,000	11,000	72.0	793,000
Northeast	23,800	14,500	80.0	1,162,000	8,000	34.0	272,000	22,500	63.5	1,434,000

Barley: Acreage and production by county and district, Colorado, 1996, continued

County and District	Acreage planted	Irrigated			Non-Irrigated			Total		
		Acreage har-vested	Yield per acre	Pro-duction	Acreage har-vested	Yield per acre	Pro-duction	Acreage har-vested	Yield per acre	Pro-duction
	Acres	Acres	Bu.	Bu.	Acres	Bu.	Bu.	Acres	Bu.	Bu.
Adams	400	200	90.0	18,000	...	...	...	200	90.0	18,000
Arapahoe	200	...	...	...	200	40.0	8,000	200	40.0	8,000
Cheyenne .....	...	...	...	...	...	...	...	...	...	...
Denver .....	...	...	...	...	...	...	...	...	...	...
Douglas .....	...	...	...	...	...	...	...	...	...	...
Elbert	500	...	...	...	500	20.0	10,000	500	20.0	10,000
El Paso	200	...	...	...	...	...	...	...	...	...
Kiowa .....	...	...	...	...	...	...	...	...	...	...
Kit Carson ...	1,100	600	70.0	42,000	500	34.0	17,000	1,100	53.5	59,000
Lincoln	300	...	...	...	300	26.5	8,000	300	26.5	8,000
Phillips	700	...	...	...	700	35.5	25,000	700	35.5	25,000
Washington ..	...	...	...	...	...	...	...	...	...	...
Yuma .....	...	...	...	...	...	...	...	...	...	...
East Central	3,400	800	75.0	60,000	2,200	31.0	68,000	3,000	42.5	128,000
Archuleta .....	...	...	...	...	...	...	...	...	...	...
Delta	200	200	80.0	16,000	...	...	...	200	80.0	16,000
Dolores .....	...	...	...	...	...	...	...	...	...	...
Garfield	900	800	90.0	72,000	...	...	...	800	90.0	72,000
Hinsdale .....	...	...	...	...	...	...	...	...	...	...
La Plata .....	...	...	...	...	...	...	...	...	...	...
Mesa	400	400	80.0	32,000	...	...	...	400	80.0	32,000
Montezuma ..	...	...	...	...	...	...	...	...	...	...
Montrose	1,200	1,100	105.5	116,000	...	...	...	1,100	105.5	116,000
Ouray .....	...	...	...	...	...	...	...	...	...	...
San Juan .....	...	...	...	...	...	...	...	...	...	...
San Miguel ..	...	...	...	...	...	...	...	...	...	...
Southwest	2,700	2,500	94.5	236,000	...	...	...	2,500	94.5	236,000
Alamosa	8,000	8,000	137.5	1,100,000	...	...	...	8,000	137.5	1,100,000
Conejos	9,500	9,000	121.0	1,090,000	...	...	...	9,000	121.0	1,090,000
Costilla	6,000	6,000	117.5	705,000	...	...	...	6,000	117.5	705,000
Mineral .....	...	...	...	...	...	...	...	...	...	...
Rio Grande ..	21,500	21,000	136.0	2,860,000	...	...	...	21,000	136.0	2,860,000
Saguache	16,000	16,000	140.0	2,240,000	...	...	...	16,000	140.0	2,240,000
San Luis Valley	61,000	60,000	133.5	7,995,000	...	...	...	60,000	133.5	7,995,000
Baca	4,800	...	...	...	200	15.0	3,000	200	15.0	3,000
Bent .....	...	...	...	...	...	...	...	...	...	...
Crowley .....	...	...	...	...	...	...	...	...	...	...
Custer .....	...	...	...	...	...	...	...	...	...	...
Fremont .....	...	...	...	...	...	...	...	...	...	...
Huerfano .....	...	...	...	...	...	...	...	...	...	...
Las Animas ..	...	...	...	...	...	...	...	...	...	...
Otero	300	...	...	...	...	...	...	...	...	...
Prowers .....	...	...	...	...	...	...	...	...	...	...
Pueblo	900	700	70.0	49,000	100	25.0	2,500	800	64.5	51,500
Southeast	6,000	700	70.0	49,000	300	18.5	5,500	1,000	54.5	54,500
State Total	100,000	78,500	121.0	9,502,000	13,500	32.0	434,000	92,000	108.0	9,936,000

OATS

Average Yield 1984 - 96



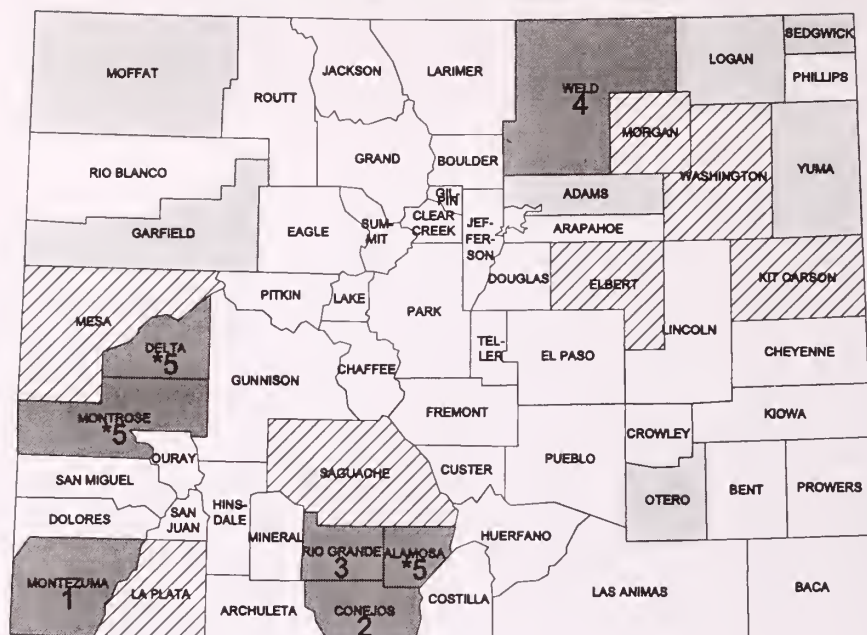
Oats: Acreage and production by county and district, Colorado, 1995

County and District	Acreage planted Acres	Irrigated			Non-Irrigated			Total		
		Acreage harvested Acres	Yield per acre Bu.	Production Bu.	Acreage harvested Acres	Yield per acre Bu.	Production Bu.	Acreage harvested Acres	Yield per acre Bu.	Production Bu.
Chaffee .....	...	...	...	...	...	...	...	...	...	...
Clear Creek ..	...	...	...	...	...	...	...	...	...	...
Eagle .....	...	...	...	...	...	...	...	...	...	...
Gilpin .....	...	...	...	...	...	...	...	...	...	...
Grand .....	...	...	...	...	...	...	...	...	...	...
Gunnison .....	...	...	...	...	...	...	...	...	...	...
Jackson .....	...	...	...	...	...	...	...	...	...	...
Lake .....	...	...	...	...	...	...	...	...	...	...
Moffat	3,100	...	...	...	1,900	34.0	65,000	1,900	34.0	65,000
Park .....	...	...	...	...	...	...	...	...	...	...
Pitkin .....	...	...	...	...	...	...	...	...	...	...
Rio Blanco ...	200	...	...	...	...	...	...	...	...	...
Routt	700	...	...	...	600	41.5	25,000	600	41.5	25,000
Summit .....	...	...	...	...	...	...	...	...	...	...
Teller .....	...	...	...	...	...	...	...	...	...	...
NW & Mountain	4,000	...	...	...	2,500	36.0	90,000	2,500	36.0	90,000
Boulder	900	300	66.5	20,000	...	...	...	300	66.5	20,000
Jefferson .....	...	...	...	...	...	...	...	...	...	...
Larimer	500	...	...	...	...	...	...	...	...	...
Logan	2,500	500	60.0	30,000	900	39.0	35,000	1,400	46.5	65,000
Morgan	3,000	500	60.0	30,000	...	...	...	500	60.0	30,000
Sedgwick	2,800	...	...	...	800	37.5	30,000	800	37.5	30,000
Weld	9,300	2,200	72.5	160,000	800	37.5	30,000	3,000	63.5	190,000
Northeast	19,000	3,500	68.5	240,000	2,500	38.0	95,000	6,000	56.0	335,000

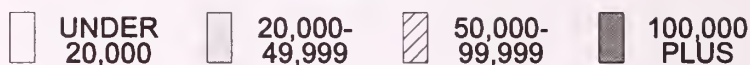
Oats: Acreage and production by county and district, Colorado, 1995, continued

County and District	Acreage planted	Irrigated			Non-Irrigated			Total		
		Acreage harvested	Yield per acre	Pro-duction	Acreage harvested	Yield per acre	Pro-duction	Acreage harvested	Yield per acre	Pro-duction
	Acres	Acres	Bu.	Bu.	Acres	Bu.	Bu.	Acres	Bu.	Bu.
Adams	1,700	...	...	...	800	46.5	37,000	800	46.5	37,000
Arapahoe	800	...	...	...	...	...	...	...	...	...
Cheyenne	800	...	...	...	...	...	...	...	...	...
Denver .....	...	...	...	...	...	...	...	...	...	...
Douglas	1,100	...	...	...	800	31.5	25,000	800	31.5	25,000
Elbert	1,900	...	...	...	1,500	38.5	58,000	1,500	38.5	58,000
El Paso	600	...	...	...	...	...	...	...	...	...
Kiowa .....	...	...	...	...	...	...	...	...	...	...
Kit Carson ...	5,200	700	78.5	55,000	300	33.5	10,000	1,000	65.0	65,000
Lincoln .....	...	...	...	...	...	...	...	...	...	...
Phillips	1,100	...	...	...	300	33.5	10,000	300	33.5	10,000
Washington ..	2,700	600	75.0	45,000	500	30.0	15,000	1,100	54.5	60,000
Yuma	4,100	500	70.0	35,000	...	...	...	500	70.0	35,000
East Central	20,000	1,800	75.0	135,000	4,200	37.0	155,000	6,000	48.5	290,000
Archuleta ....	...	...	...	...	...	...	...	...	...	...
Delta	1,600	900	105.5	95,000	...	...	...	900	105.5	95,000
Dolores	2,200	...	...	...	500	20.0	10,000	500	20.0	10,000
Garfield	1,900	800	81.5	65,000	...	...	...	800	81.5	65,000
Hinsdale .....	...	...	...	...	...	...	...	...	...	...
La Plata	3,300	900	83.5	75,000	1,800	22.0	40,000	2,700	42.5	115,000
Mesa	2,500	1,200	108.5	130,000	...	...	...	1,200	108.5	130,000
Montezuma ..	3,000	1,200	91.5	110,000	700	13.0	9,000	1,900	62.5	119,000
Montrose	2,600	1,200	71.0	85,000	...	...	...	1,200	71.0	85,000
Ouray .....	...	...	...	...	...	...	...	...	...	...
San Juan .....	...	...	...	...	...	...	...	...	...	...
San Miguel ..	900	...	...	...	800	21.5	17,000	800	21.5	17,000
Southwest	18,000	6,200	90.5	560,000	3,800	20.0	76,000	10,000	63.5	636,000
Alamosa	6,200	1,500	93.5	140,000	...	...	...	1,500	93.5	140,000
Conejos	5,700	3,200	86.0	275,000	...	...	...	3,200	86.0	275,000
Costilla	1,300	500	86.0	43,000	...	...	...	500	86.0	43,000
Mineral .....	...	...	...	...	...	...	...	...	...	...
Rio Grande ..	3,500	800	62.5	50,000	...	...	...	800	62.5	50,000
Saguache	7,300	1,000	92.0	92,000	...	...	...	1,000	92.0	92,000
San Luis Valley	24,000	7,000	85.5	600,000	...	...	...	7,000	85.5	600,000
Baca	900	...	...	...	...	...	...	...	...	...
Bent	2,900	200	60.0	12,000	...	...	...	200	60.0	12,000
Crowley	700	...	...	...	...	...	...	...	...	...
Custer .....	...	...	...	...	...	...	...	...	...	...
Fremont .....	...	...	...	...	...	...	...	...	...	...
Huerfano .....	...	...	...	...	...	...	...	...	...	...
Las Animas ..	800	...	...	...	...	...	...	...	...	...
Otero	3,200	1,100	63.5	70,000	...	...	...	1,100	63.5	70,000
Prowers	900	...	...	...	...	...	...	...	...	...
Pueblo	600	200	65.0	13,000	...	...	...	200	65.0	13,000
Southeast	10,000	1,500	63.5	95,000	...	...	...	1,500	63.5	95,000
State Total	95,000	20,000	81.5	1,630,000	13,000	32.0	416,000	33,000	62.0	2,046,000

Oats: Production by County, Colorado, 1996 with Ranking of First Five Counties



BUSHELS



* Counties with equal ranking

Oats: Acreage and production by county and district, Colorado, 1996

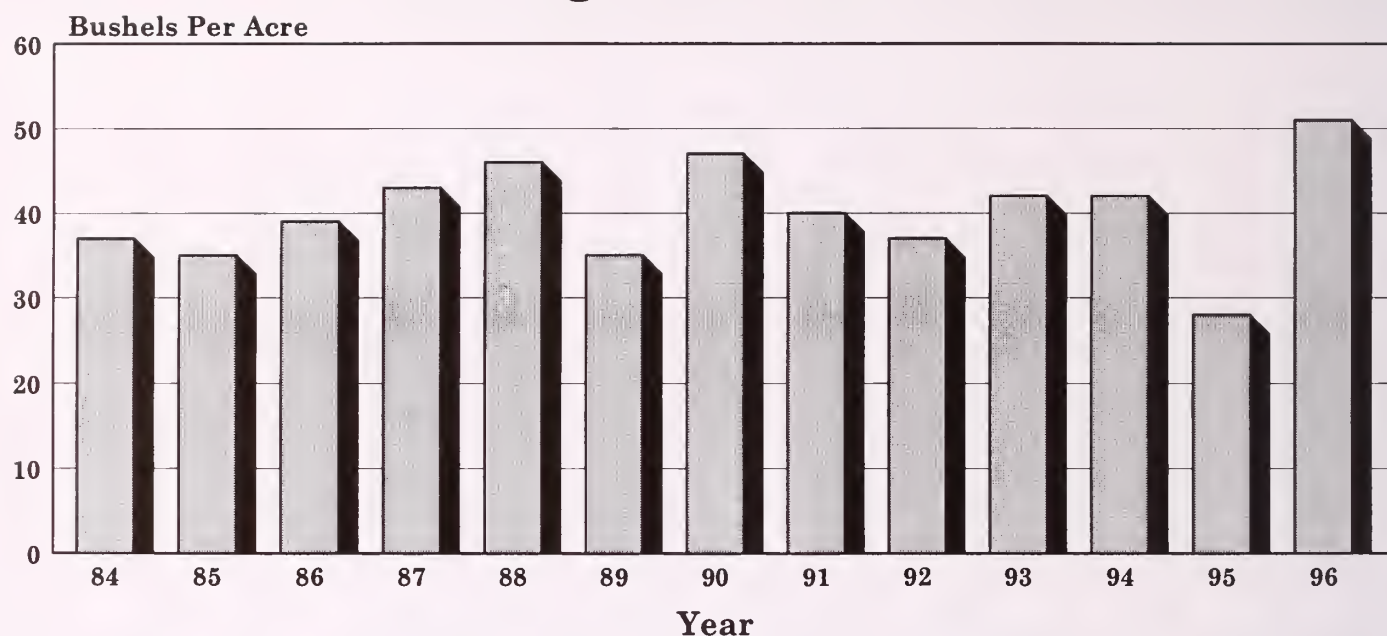
County and District	Acreage planted	Irrigated			Non-Irrigated			Total		
		Acreage har- vested	Yield per acre	Pro- duc- tion	Acreage har- vested	Yield per acre	Pro- duc- tion	Acreage har- vested	Yield per acre	Pro- duc- tion
	Acres	Acres	Bu.	Bu.	Acres	Bu.	Bu.	Acres	Bu.	Bu.
Chaffee .....	...	...	...	...	...	...	...	...	...	...
Clear Creek ..	...	...	...	...	...	...	...	...	...	...
Eagle .....	...	...	...	...	...	...	...	...	...	...
Gilpin .....	...	...	...	...	...	...	...	...	...	...
Grand .....	...	...	...	...	...	...	...	...	...	...
Gunnison .....	...	...	...	...	...	...	...	...	...	...
Jackson .....	...	...	...	...	...	...	...	...	...	...
Lake .....	...	...	...	...	...	...	...	...	...	...
Moffat	2,500	...	...	...	1,500	20.0	30,000	1,500	20.0	30,000
Park .....	...	...	...	...	...	...	...	...	...	...
Pitkin .....	...	...	...	...	...	...	...	...	...	...
Rio Blanco ...	...	...	...	...	...	...	...	...	...	...
Routt	500	...	...	...	500	20.0	10,000	500	20.0	10,000
Summit .....	...	...	...	...	...	...	...	...	...	...
Teller .....	...	...	...	...	...	...	...	...	...	...
NW & Mountain	3,000	...	...	...	2,000	20.0	40,000	2,000	20.0	40,000
Boulder	300	200	65.0	13,000	...	...	...	200	65.0	13,000
Jefferson ....	...	...	...	...	...	...	...	...	...	...
Larimer	300	...	...	...	...	...	...	...	...	...
Logan	2,800	500	40.0	20,000	600	16.5	10,000	1,100	27.5	30,000
Morgan	2,500	1,500	36.0	54,000	...	...	...	1,500	36.0	54,000
Sedgwick	1,400	...	...	...	1,000	20.0	20,000	1,000	20.0	20,000
Weld	9,700	1,800	51.5	93,000	1,900	13.0	25,000	3,700	32.0	118,000
Northeast	17,000	4,000	45.0	180,000	3,500	15.5	55,000	7,500	31.5	235,000

Oats: Acreage and production by county and district, Colorado, 1996, continued

County and District	Acreage planted	Irrigated			Non-Irrigated			Total		
		Acreage har-vested	Yield per acre	Pro-duction	Acreage har-vested	Yield per acre	Pro-duction	Acreage har-vested	Yield per acre	Pro-duction
	Acres	Acres	Bu.	Bu.	Acres	Bu.	Bu.	Acres	Bu.	Bu.
Adams	1,000	...	...	...	500	40.0	20,000	500	40.0	20,000
Arapahoe	200	...	...	...	...	...	...	...	...	...
Cheyenne	400	300	33.5	10,000	...	...	...	300	33.5	10,000
Denver .....	...	...	...	...	...	...	...	...	...	...
Douglas	800	...	...	...	600	30.0	18,000	600	30.0	18,000
Elbert	2,700	200	45.0	9,000	1,600	37.0	59,000	1,800	38.0	68,000
El Paso	500	...	...	...	...	...	...	...	...	...
Kiowa .....	...	...	...	...	...	...	...	...	...	...
Kit Carson ...	3,800	500	46.0	23,000	700	40.0	28,000	1,200	42.5	51,000
Lincoln .....	...	...	...	...	...	...	...	...	...	...
Phillips	600	...	...	...	500	26.0	13,000	500	26.0	13,000
Washington ..	4,000	300	43.5	13,000	1,200	36.0	43,000	1,500	37.5	56,000
Yuma	2,000	200	50.0	10,000	400	35.0	14,000	600	40.0	24,000
East Central	16,000	1,500	43.5	65,000	5,500	35.5	195,000	7,000	37.0	260,000
Archuleta .....	...	...	...	...	...	...	...	...	...	...
Delta	1,700	1,600	70.0	112,000	...	...	...	1,600	70.0	112,000
Dolores	1,000	...	...	...	500	10.0	5,000	500	10.0	5,000
Garfield	600	600	45.0	27,000	...	...	...	600	45.0	27,000
Hinsdale .....	...	...	...	...	...	...	...	...	...	...
La Plata	3,200	1,500	54.0	81,000	1,000	9.0	9,000	2,500	36.0	90,000
Mesa	2,200	1,000	75.0	75,000	...	...	...	1,000	75.0	75,000
Montezuma ..	3,800	2,700	92.0	248,000	...	...	...	2,700	92.0	248,000
Montrose	2,500	1,600	70.0	112,000	...	...	...	1,600	70.0	112,000
Ouray .....	...	...	...	...	...	...	...	...	...	...
San Juan .....	...	...	...	...	...	...	...	...	...	...
San Miguel ..	1,000	...	...	...	500	12.0	6,000	500	12.0	6,000
Southwest	16,000	9,000	73.0	655,000	2,000	10.0	20,000	11,000	61.5	675,000
Alamosa	6,000	1,200	93.5	112,000	...	...	...	1,200	93.5	112,000
Conejos	6,100	3,000	80.0	240,000	...	...	...	3,000	80.0	240,000
Costilla	500	200	80.0	16,000	...	...	...	200	80.0	16,000
Mineral .....	...	...	...	...	...	...	...	...	...	...
Rio Grande ..	3,400	1,300	100.0	130,000	...	...	...	1,300	100.0	130,000
Saguache	5,000	800	96.5	77,000	...	...	...	800	96.5	77,000
San Luis Valley	21,000	6,500	88.5	575,000	...	...	...	6,500	88.5	575,000
Baca	500	...	...	...	...	...	...	...	...	...
Bent	2,300	...	...	...	...	...	...	...	...	...
Crowley	400	...	...	...	...	...	...	...	...	...
Custer .....	...	...	...	...	...	...	...	...	...	...
Fremont .....	...	...	...	...	...	...	...	...	...	...
Huerfano .....	...	...	...	...	...	...	...	...	...	...
Las Animas ..	300	...	...	...	...	...	...	...	...	...
Otero	3,000	1,000	35.0	35,000	...	...	...	1,000	35.0	35,000
Prowers	300	...	...	...	...	...	...	...	...	...
Pueblo	200	...	...	...	...	...	...	...	...	...
Southeast	7,000	1,000	35.0	35,000	...	...	...	1,000	35.0	35,000
State Total	80,000	22,000	68.5	1,510,000	13,000	24.0	310,000	35,000	52.0	1,820,000

SORGHUM FOR GRAIN

Average Yield 1984 - 96



Sorghum for Grain: Acreage and production by county and district, Colorado, 1995

County and District	Acreage planted 1/	Irrigated			Non-Irrigated			Total		
		Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production
	Acres	Acres	Bu.	Bu.	Acres	Bu.	Bu.	Acres	Bu.	Bu.
Chaffee
Clear Creek
Eagle
Gilpin
Grand
Gunnison
Jackson
Lake
Moffat
Park
Pitkin
Rio Blanco
Routt
Summit
Teller
NW & Mountain
Boulder
Jefferson
Larimer
Logan	1,200	...	...	...	600	20.0	12,000	600	20.0	12,000
Morgan	1,800	100	40.0	4,000	200	25.0	5,000	300	30.0	9,000
Sedgwick
Weld	4,500	600	63.5	38,000	1,000	23.0	23,000	1,600	38.0	61,000
Northeast	7,500	700	60.0	42,000	1,800	22.0	40,000	2,500	33.0	82,000

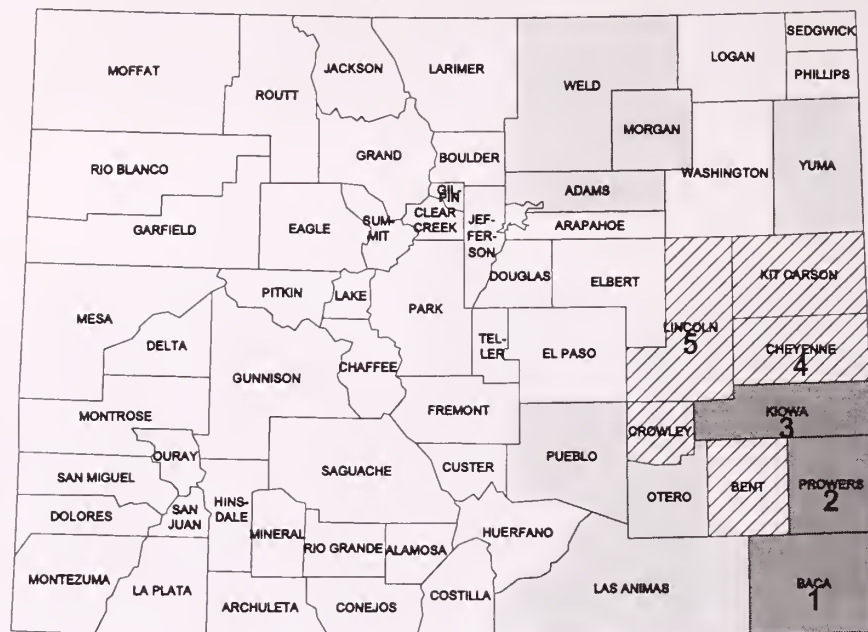
1/ Planted for all purposes.

Sorghum for Grain: Acreage and production by county and district, Colorado, 1995, continued

County and District	Acreage planted <u>1/</u>	Irrigated			Non-Irrigated			Total		
		Acreage harvested	Yield per acre	Pro-duction	Acreage harvested	Yield per acre	Pro-duction	Acreage harvested	Yield per acre	Pro-duction
	Acres	Acres	Bu.	Bu.	Acres	Bu.	Bu.	Acres	Bu.	Bu.
Adams	500	200	35.0	7,000	300	10.0	3,000	500	20.0	10,000
Arapahoe	400	...	...	...	...	...	...	...	...	...
Cheyenne	7,300	...	...	...	5,300	24.5	130,000	5,300	24.5	130,000
Denver .....	...	...	...	...	...	...	...	...	...	...
Douglas .....	...	...	...	...	...	...	...	...	...	...
Elbert	900	...	...	...	600	25.0	15,000	600	25.0	15,000
El Paso	2,200	200	55.0	11,000	600	26.5	16,000	800	34.0	27,000
Kiowa	27,400	400	57.5	23,000	25,100	29.5	742,000	25,500	30.0	765,000
Kit Carson ...	1,600	500	44.0	22,000	700	20.0	14,000	1,200	30.0	36,000
Lincoln	8,500	1,300	53.0	69,000	4,000	15.0	60,000	5,300	24.5	129,000
Phillips	300	...	...	...	300	16.5	5,000	300	16.5	5,000
Washington ..	1,000	...	...	...	400	35.0	14,000	400	35.0	14,000
Yuma	1,400	400	75.0	30,000	200	15.0	3,000	600	55.0	33,000
East Central	51,500	3,000	54.0	162,000	37,500	26.5	1,002,000	40,500	28.5	1,164,000
Archuleta ....	...	...	...	...	...	...	...	...	...	...
Delta .....	...	...	...	...	...	...	...	...	...	...
Dolores .....	...	...	...	...	...	...	...	...	...	...
Garfield .....	...	...	...	...	...	...	...	...	...	...
Hinsdale ....	...	...	...	...	...	...	...	...	...	...
La Plata .....	...	...	...	...	...	...	...	...	...	...
Mesa .....	...	...	...	...	...	...	...	...	...	...
Montezuma ..	...	...	...	...	...	...	...	...	...	...
Montrose ....	...	...	...	...	...	...	...	...	...	...
Ouray .....	...	...	...	...	...	...	...	...	...	...
San Juan ....	...	...	...	...	...	...	...	...	...	...
San Miguel ..	...	...	...	...	...	...	...	...	...	...
Southwest	...	...	...	...	...	...	...	...	...	...
Alamosa .....	...	...	...	...	...	...	...	...	...	...
Conejos .....	...	...	...	...	...	...	...	...	...	...
Costilla .....	...	...	...	...	...	...	...	...	...	...
Mineral .....	...	...	...	...	...	...	...	...	...	...
Rio Grande ..	...	...	...	...	...	...	...	...	...	...
Saguache ....	...	...	...	...	...	...	...	...	...	...
San Luis Valley	...	...	...	...	...	...	...	...	...	...
Baca	107,000	13,400	44.5	593,000	82,100	19.0	1,557,000	95,500	22.5	2,150,000
Bent	5,400	3,800	58.0	221,000	200	20.0	4,000	4,000	56.5	225,000
Crowley	3,800	...	...	...	2,200	24.0	53,000	2,200	24.0	53,000
Custer .....	...	...	...	...	...	...	...	...	...	...
Fremont .....	...	...	...	...	...	...	...	...	...	...
Huerfano ....	...	...	...	...	...	...	...	...	...	...
Las Animas ..	700	200	40.0	8,000	400	17.5	7,000	600	25.0	15,000
Otero	1,400	700	48.5	34,000	...	...	...	700	48.5	34,000
Prowers	21,600	10,000	63.5	633,000	8,000	29.0	232,000	18,000	48.0	865,000
Pueblo	1,100	200	55.0	11,000	800	26.5	21,000	1,000	32.0	32,000
Southeast	141,000	28,300	53.0	1,500,000	93,700	20.0	1,874,000	122,000	27.5	3,374,000
State Total	200,000	32,000	53.5	1,704,000	133,000	22.0	2,916,000	165,000	28.0	4,620,000

1/ Planted for all purposes.

Sorghum for Grain: Production by County, Colorado, 1996 with Ranking of First Five Counties



BUSHEL



Sorghum for Grain: Acreage and production by county and district, Colorado, 1996

County and District	Acreage planted <u>1/</u>	Irrigated			Non-Irrigated			Total		
		Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production
	Acres	Acres	Bu.	Bu.	Acres	Bu.	Bu.	Acres	Bu.	Bu.
Chaffee
Clear Creek
Eagle
Gilpin
Grand
Gunnison
Jackson
Lake
Moffat
Park
Pitkin
Rio Blanco
Routt
Summit
Teller
NW & Mountain
Boulder
Jefferson
Larimer
Logan	900	...	...	...	300	30.0	9,000	300	30.0	9,000
Morgan	1,700	200	62.5	12,500	700	40.0	28,000	900	45.0	40,500
Sedgwick
Weld	1,400	200	67.5	13,500	600	25.0	15,000	800	35.5	28,500
Northeast	4,000	400	65.0	26,000	1,600	32.5	52,000	2,000	39.0	78,000

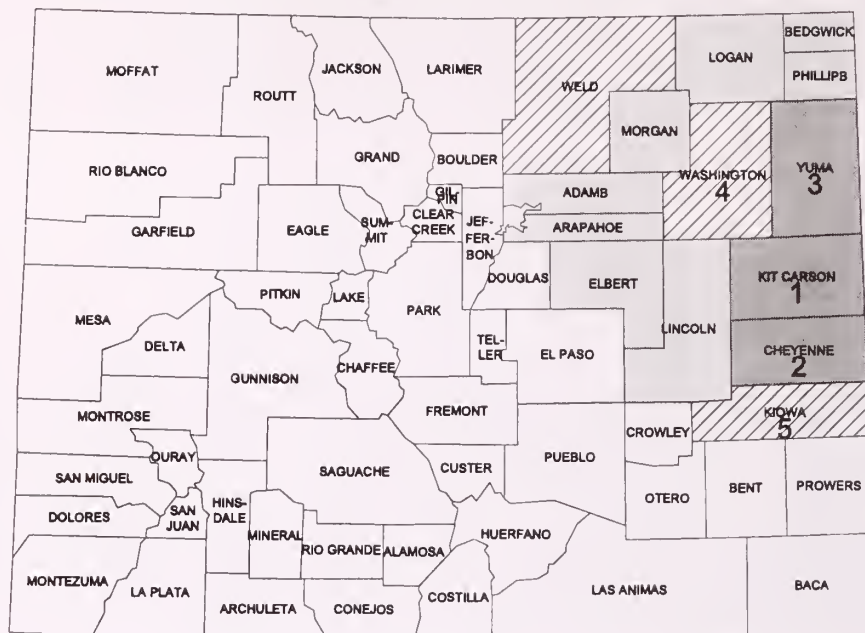
1/ Planted for all purposes.

Sorghum for Grain: Acreage and production by county and district, Colorado, 1996, continued

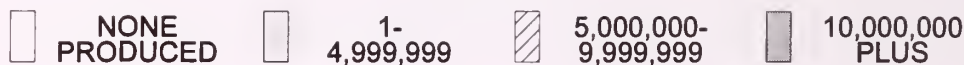
County and District	Acreage planted 1/	Irrigated			Non-Irrigated			Total		
		Acreage har-vested	Yield per acre	Pro-duction	Acreage har-vested	Yield per acre	Pro-duction	Acreage har-vested	Yield per acre	Pro-duction
	Acres	Acres	Bu.	Bu.	Acres	Bu.	Bu.	Acres	Bu.	Bu.
Adams	1,600	...	...	...	1,300	60.0	78,000	1,300	60.0	78,000
Arapahoe	300	...	...	...	...	...	...	...	...	...
Cheyenne	18,000	500	64.0	32,000	15,500	51.0	790,000	16,000	51.5	822,000
Denver .....	...	...	...	...	...	...	...	...	...	...
Douglas .....	...	...	...	...	...	...	...	...	...	...
Elbert	500	...	...	...	400	42.5	17,000	400	42.5	17,000
El Paso	2,000	...	...	...	500	44.0	22,000	500	44.0	22,000
Kiowa	40,000	1,200	62.5	75,000	36,800	56.0	2,061,000	38,000	56.0	2,136,000
Kit Carson ...	8,600	500	90.0	45,000	5,000	35.0	175,000	5,500	40.0	220,000
Lincoln	16,000	800	87.5	70,000	14,200	40.0	568,000	15,000	42.5	638,000
Phillips	200	...	...	...	200	25.0	5,000	200	25.0	5,000
Washington ..	700	...	...	...	400	50.0	20,000	400	50.0	20,000
Yuma	1,100	...	...	...	700	40.0	28,000	700	40.0	28,000
East Central	89,000	3,000	74.0	222,000	75,000	50.0	3,764,000	78,000	51.0	3,986,000
Archuleta .....	...	...	...	...	...	...	...	...	...	...
Delta .....	...	...	...	...	...	...	...	...	...	...
Dolores .....	...	...	...	...	...	...	...	...	...	...
Garfield .....	...	...	...	...	...	...	...	...	...	...
Hinsdale .....	...	...	...	...	...	...	...	...	...	...
La Plata .....	...	...	...	...	...	...	...	...	...	...
Mesa .....	...	...	...	...	...	...	...	...	...	...
Montezuma ..	...	...	...	...	...	...	...	...	...	...
Montrose .....	...	...	...	...	...	...	...	...	...	...
Ouray .....	...	...	...	...	...	...	...	...	...	...
San Juan .....	...	...	...	...	...	...	...	...	...	...
San Miguel ..	...	...	...	...	...	...	...	...	...	...
Southwest	...	...	...	...	...	...	...	...	...	...
Alamosa .....	...	...	...	...	...	...	...	...	...	...
Conejos .....	...	...	...	...	...	...	...	...	...	...
Costilla .....	...	...	...	...	...	...	...	...	...	...
Mineral .....	...	...	...	...	...	...	...	...	...	...
Rio Grande ..	...	...	...	...	...	...	...	...	...	...
Saguache .....	...	...	...	...	...	...	...	...	...	...
San Luis Valley	...	...	...	...	...	...	...	...	...	...
Baca	129,000	11,000	70.0	770,000	109,000	41.5	4,524,000	120,000	44.0	5,294,000
Bent	5,800	5,000	87.0	435,000	...	...	...	5,000	87.0	435,000
Crowley	4,000	...	...	...	2,500	61.0	153,000	2,500	61.0	153,000
Custer .....	...	...	...	...	...	...	...	...	...	...
Fremont .....	...	...	...	...	...	...	...	...	...	...
Huerfano .....	...	...	...	...	...	...	...	...	...	...
Las Animas ..	1,700	...	...	...	1,500	40.0	60,000	1,500	40.0	60,000
Otero	1,400	1,000	79.0	79,000	...	...	...	1,000	79.0	79,000
Prowers	53,000	9,000	92.0	828,000	39,000	58.0	2,257,000	48,000	64.5	3,085,000
Pueblo	2,100	600	45.0	27,000	1,400	45.0	63,000	2,000	45.0	90,000
Southeast	197,000	26,600	80.5	2,139,000	153,400	46.0	7,057,000	180,000	51.0	9,196,000
State Total	290,000	30,000	79.5	2,387,000	230,000	47.5	10,873,000	260,000	51.0	13,260,000

1/ Planted for all purposes.

Sunflowers, All: Production by County, Colorado, 1995-1996 with Ranking of First Five Counties



POUNDS

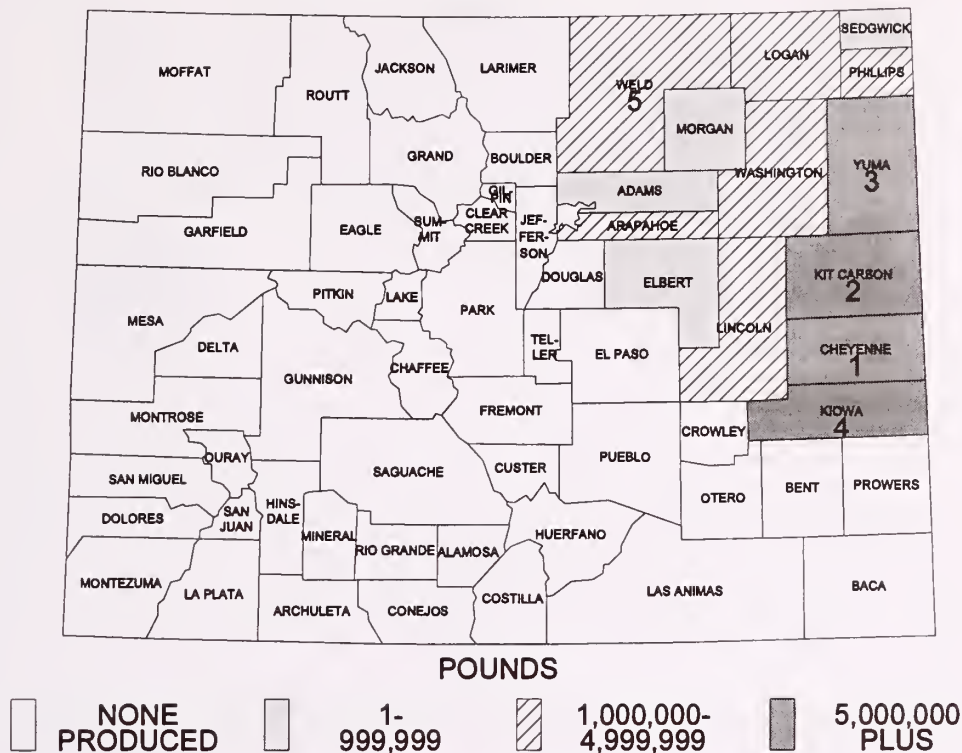


Sunflowers, All: Acreage and production by county and district, Colorado, 1995-1996 ^{1/}

County and District	Acreage planted		Acreage harvested		Yield per acre		Production	
	1995	1996	1995	1996	1995	1996	1995	1996
	Acres		Acres		Pounds		Pounds	
Boulder .....	...	...	...	...	...	...	...	...
Jefferson .....	...	...	...	...	...	...	...	...
Larimer .....	...	...	...	...	...	...	...	...
Logan	5,500	5,500	5,500	4,800	915	1,030	5,020,000	4,940,000
Morgan	5,500	5,300	5,100	4,900	885	885	4,510,000	4,330,000
Sedgwick	4,700	1,300	4,500	1,300	825	1,140	3,720,000	1,480,000
Weld	7,300	5,900	5,900	5,500	995	930	5,860,000	5,110,000
Northeast	23,000	18,000	21,000	16,500	910	960	19,110,000	15,860,000
Adams	6,100	4,800	6,100	4,700	600	615	3,660,000	2,880,000
Arapahoe	2,500	1,500	2,500	1,500	660	765	1,650,000	1,150,000
Cheyenne	6,900	12,800	6,800	12,800	1,010	1,785	6,860,000	22,860,000
Denver .....	...	...	...	...	...	...	...	...
Douglas .....	...	...	...	...	...	...	...	...
Elbert	700	500	700	500	970	1,320	680,000	660,000
El Paso .....	...	...	...	...	...	...	...	...
Kiowa	1,300	3,500	1,300	3,500	945	1,955	1,230,000	6,840,000
Kit Carson	35,700	39,600	34,900	39,000	1,225	1,115	42,820,000	43,540,000
Lincoln	1,300	1,100	1,300	1,100	400	1,210	520,000	1,330,000
Phillips	4,700	4,600	4,400	4,400	945	885	4,160,000	3,890,000
Washington	8,400	7,400	8,000	7,300	710	1,135	5,690,000	8,270,000
Yuma	24,400	16,200	23,000	15,700	730	1,245	16,780,000	19,520,000
East Central	92,000	92,000	89,000	90,500	945	1,225	84,050,000	110,940,000
State Total	115,000	110,000	110,000	107,000	938	1,185	103,160,000	126,800,000

^{1/} Data shown only for producing districts.

Sunflowers, Oil: Production by County, Colorado, 1995-1996 with Ranking of First Five Counties



Sunflowers, Oil: Acreage and production by county and district, Colorado, 1995-1996 ^{1/}

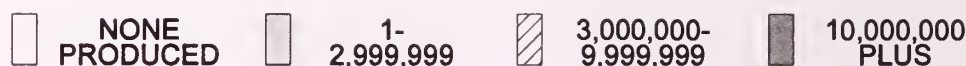
County and District	Acreage planted		Acreage harvested		Yield per acre		Production	
	1995	1996	1995	1996	1995	1996	1995	1996
	Acres		Acres		Pounds		Pounds	
Boulder .....	...	...	...	...	...	...	...	...
Jefferson .....	...	...	...	...	...	...	...	...
Larimer .....	...	...	...	...	...	...	...	...
Logan	3,500	1,800	3,500	1,800	870	830	3,040,000	1,490,000
Morgan	2,000	1,200	1,600	900	490	810	780,000	730,000
Sedgwick	2,500	800	2,500	800	680	1,225	1,700,000	980,000
Weld	3,500	3,200	2,400	3,000	700	985	1,680,000	2,960,000
Northeast	11,500	7,000	10,000	6,500	720	950	7,200,000	6,160,000
Adams	4,200	1,700	4,200	1,600	570	565	2,400,000	900,000
Arapahoe	2,500	1,500	2,500	1,500	660	765	1,650,000	1,150,000
Cheyenne	6,200	9,600	6,100	9,600	975	1,905	5,950,000	18,290,000
Denver .....	...	...	...	...	...	...	...	...
Douglas .....	...	...	...	...	...	...	...	...
Elbert	700	500	700	500	970	1,320	680,000	660,000
El Paso .....	...	...	...	...	...	...	...	...
Kiowa	1,300	3,500	1,300	3,500	945	1,955	1,230,000	6,840,000
Kit Carson	14,000	10,600	13,700	10,500	1,170	1,365	16,030,000	14,340,000
Lincoln	1,300	1,100	1,300	1,100	400	1,210	520,000	1,330,000
Phillips	1,500	1,000	1,500	1,000	915	1,170	1,370,000	1,170,000
Washington	3,800	1,300	3,700	1,200	575	1,060	2,120,000	1,270,000
Yuma	18,000	7,200	17,000	7,000	690	1,670	11,690,000	11,690,000
East Central	53,500	38,000	52,000	37,500	840	1,535	43,640,000	57,640,000
State Total	65,000	45,000	62,000	44,000	820	1,450	50,840,000	63,800,000

^{1/} Data shown only for producing districts.

Sunflowers, Non-Oil: Production by County, Colorado, 1995-1996 with Ranking of First Five Counties



POUNDS

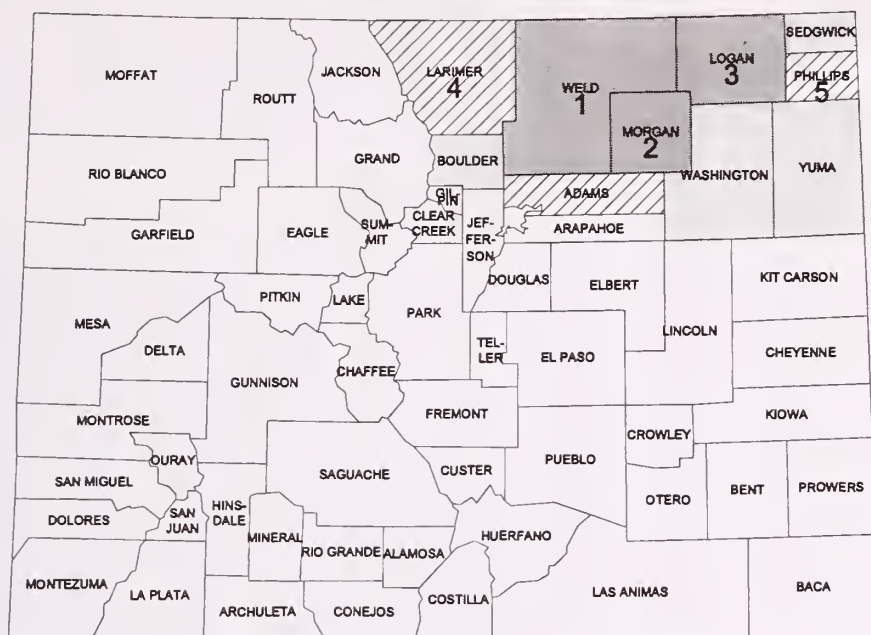


Sunflowers, Non-Oil: Acreage and production by county and district, Colorado, 1995-1996 ^{1/}

County and District	Acreage planted		Acreage harvested		Yield per acre		Production	
	1995	1996	1995	1996	1995	1996	1995	1996
	Acres		Acres		Pounds		Pounds	
Boulder .....	...	...	...	...	...	...	...	...
Jefferson .....	...	...	...	...	...	...	...	...
Larimer .....	...	...	...	...	...	...	...	...
Logan	2,000	3,700	2,000	3,000	990	1,150	1,980,000	3,450,000
Morgan	3,500	4,100	3,500	4,000	1,065	900	3,730,000	3,600,000
Sedgwick	2,200	500	2,000	500	1,010	1,000	2,020,000	500,000
Weld	3,800	2,700	3,500	2,500	1,195	860	4,180,000	2,150,000
Northeast	11,500	11,000	11,000	10,000	1,085	970	11,910,000	9,700,000
Adams	1,900	3,100	1,900	3,100	665	640	1,260,000	1,980,000
Arapahoe .....	...	...	...	...	...	...	...	...
Cheyenne	700	3,200	700	3,200	1,300	1,430	910,000	4,570,000
Denver .....	...	...	...	...	...	...	...	...
Douglas .....	...	...	...	...	...	...	...	...
Elbert .....	...	...	...	...	...	...	...	...
El Paso .....	...	...	...	...	...	...	...	...
Kiowa .....	...	...	...	...	...	...	...	...
Kit Carson	21,700	29,000	21,200	28,500	1,265	1,025	26,790,000	29,200,000
Lincoln .....	...	...	...	...	...	...	...	...
Phillips	3,200	3,600	2,900	3,400	960	800	2,790,000	2,720,000
Washington	4,600	6,100	4,300	6,100	830	1,150	3,570,000	7,000,000
Yuma	6,400	9,000	6,000	8,700	850	900	5,090,000	7,830,000
East Central	38,500	54,000	37,000	53,000	1,090	1,005	40,410,000	53,300,000
State Total	50,000	65,000	48,000	63,000	1,090	1,000	52,320,000	63,000,000

^{1/} Data shown only for producing districts.

Sugar Beets: Production by County, Colorado, 1995-1996 with Ranking of First Five Counties



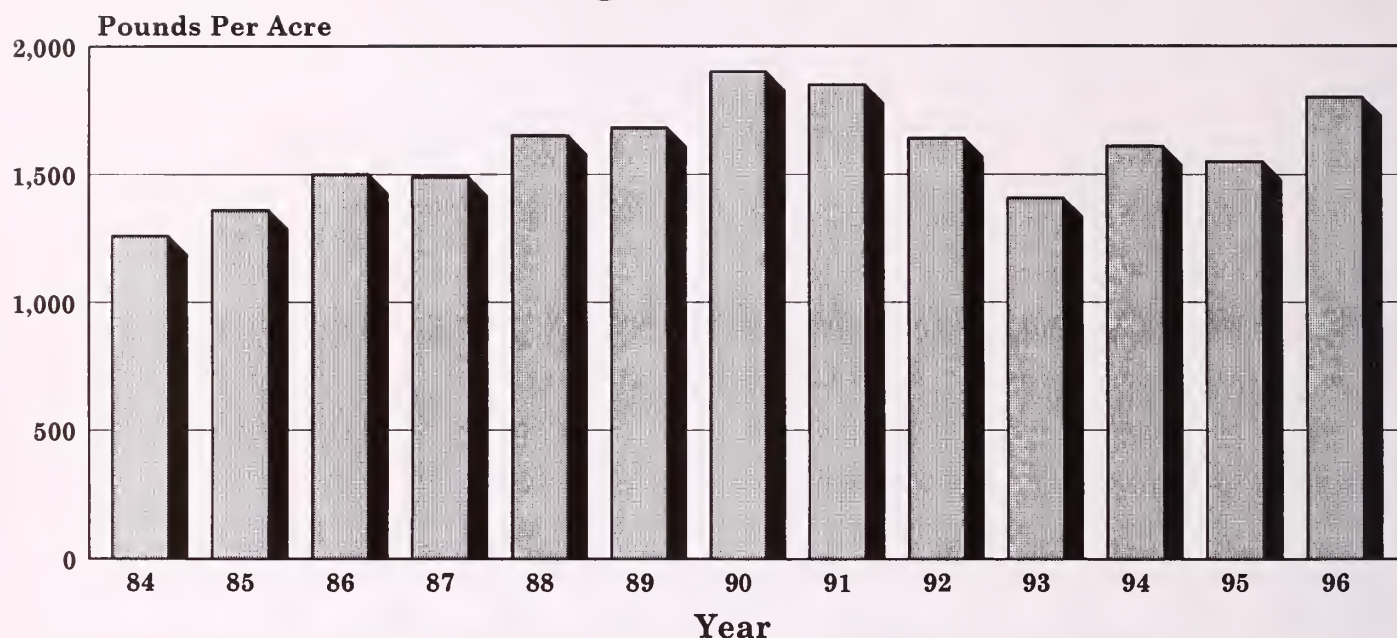
Sugar Beets: Acreage and production by county and district, Colorado, 1995-1996

County and District	Acreage planted		Acreage harvested		Yield per acre		Production	
	1995	1996	1995	1996	1995	1996	1995	1996
	Acres		Acres		Tons		Tons	
Boulder	700	1,200	700	1,200	17.1	17.3	12,000	20,700
Jefferson .....	...	...	...	...	...	...	...	...
Larimer	2,360	3,310	2,360	3,070	17.2	20.3	40,600	62,300
Logan	5,300	7,170	5,070	6,440	15.7	20.7	79,700	133,000
Morgan	10,600	13,170	9,560	12,390	16.1	20.1	153,500	249,000
Sedgwick .....	...	60	...	60	...	20.0	...	1,200
Weld	22,050	24,470	21,660	22,860	18.5	19.9	401,300	456,000
Northeast	41,010	49,380	39,350	46,020	17.5	20.0	687,100	922,200
Adams	1,270	1,500	1,250	1,430	15.8	19.1	19,800	27,300
Arapahoe .....	...	...	...	...	...	...	...	...
Cheyenne .....	...	...	...	...	...	...	...	...
Denver .....	...	...	...	...	...	...	...	...
Douglas .....	...	...	...	...	...	...	...	...
Elbert .....	...	...	...	...	...	...	...	...
El Paso .....	...	...	...	...	...	...	...	...
Kiowa .....	...	...	...	...	...	...	...	...
Kit Carson .....	...	...	...	...	...	...	...	...
Lincoln .....	...	...	...	...	...	...	...	...
Phillips	150	2,060	150	2,000	16.0	22.7	2,400	45,400
Washington	370	560	350	520	16.3	24.2	5,700	12,600
Yuma .....	...	1,300	...	1,130	...	21.7	...	24,500
East Central	1,790	5,420	1,750	5,080	15.9	21.6	27,900	109,800
State Total	42,800	54,800	41,100	51,100	17.4	20.2	715,000	1,032,000

1/ Data shown only for producing districts.

DRY BEANS

Average Yield 1984 - 96



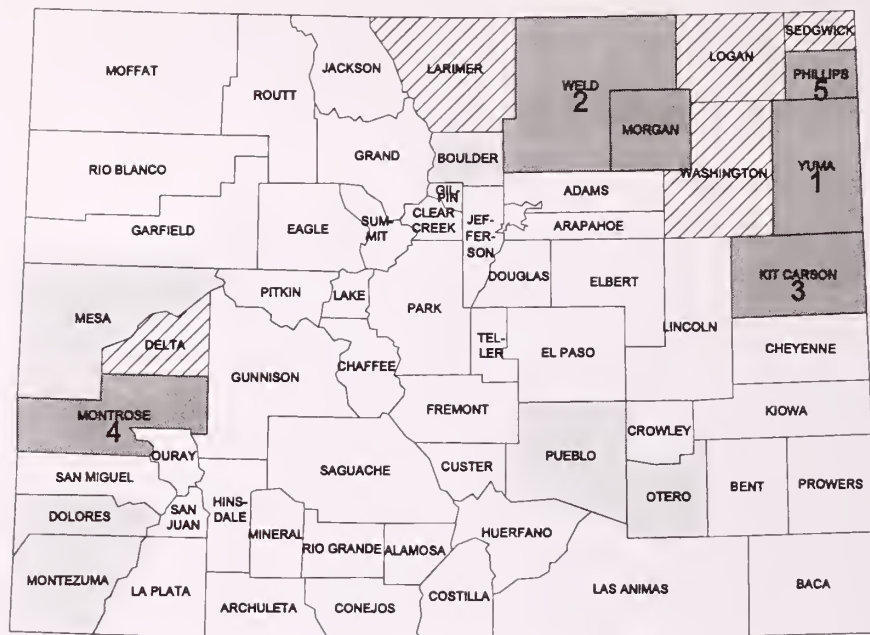
Dry Beans: Acreage and production by county and district, Colorado, 1995

County and District	Acreage planted	Irrigated			Non-Irrigated			Total		
		Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production
	Acres	Acres	Lbs.	Cwt.	Acres	Lbs.	Cwt.	Acres	Lbs.	Cwt.
Chaffee .....	...	...	...	...	...	...	...	...	...	...
Clear Creek ..	...	...	...	...	...	...	...	...	...	...
Eagle .....	...	...	...	...	...	...	...	...	...	...
Gilpin .....	...	...	...	...	...	...	...	...	...	...
Grand .....	...	...	...	...	...	...	...	...	...	...
Gunnison ....	...	...	...	...	...	...	...	...	...	...
Jackson .....	...	...	...	...	...	...	...	...	...	...
Lake .....	...	...	...	...	...	...	...	...	...	...
Moffat .....	...	...	...	...	...	...	...	...	...	...
Park .....	...	...	...	...	...	...	...	...	...	...
Pitkin .....	...	...	...	...	...	...	...	...	...	...
Rio Blanco ...	...	...	...	...	...	...	...	...	...	...
Routt .....	...	...	...	...	...	...	...	...	...	...
Summit .....	...	...	...	...	...	...	...	...	...	...
Teller .....	...	...	...	...	...	...	...	...	...	...
NW & Mountain	...	...	...	...	...	...	...	...	...	...
Boulder	1,500	800	880	7,000	...	...	...	800	880	7,000
Jefferson ....	...	...	...	...	...	...	...	...	...	...
Larimer	4,800	4,000	2,150	86,000	...	...	...	4,000	2,150	86,000
Logan	6,500	5,900	2,030	120,000	...	...	...	5,900	2,030	120,000
Morgan	9,100	6,800	1,340	91,000	...	...	...	6,800	1,340	91,000
Sedgwick	6,600	5,700	1,610	92,000	300	1,330	4,000	6,000	1,600	96,000
Weld	35,500	27,500	1,820	500,000	...	...	...	27,500	1,820	500,000
Northeast	64,000	50,700	1,770	896,000	300	1,330	4,000	51,000	1,760	900,000

Dry Beans: Acreage and production by county and district, Colorado, 1995, continued

County and District	Acreage planted	Irrigated			Non-Irrigated			Total		
		Acreage har- vested	Yield per acre	Pro- duc- tion	Acreage har- vested	Yield per acre	Pro- duc- tion	Acreage har- vested	Yield per acre	Pro- duc- tion
	Acres	Acres	Lbs.	Cwt.	Acres	Lbs.	Cwt.	Acres	Lbs.	Cwt.
Adams	800	700	1,860	13,000	...	...	...	700	1,860	13,000
Arapahoe ....	...	...	...	...	...	...	...	...	...	...
Cheyenne	400	400	1,750	7,000	...	...	...	400	1,750	7,000
Denver .....	...	...	...	...	...	...	...	...	...	...
Douglas .....	...	...	...	...	...	...	...	...	...	...
Elbert .....	...	...	...	...	...	...	...	...	...	...
El Paso	700	...	...	...	500	200	1,000	500	200	1,000
Kiowa .....	...	...	...	...	...	...	...	...	...	...
Kit Carson ...	18,700	17,600	1,760	310,000	200	500	1,000	17,800	1,750	311,000
Lincoln .....	...	...	...	...	...	...	...	...	...	...
Phillips	9,700	8,700	1,870	163,000	500	800	4,000	9,200	1,820	167,000
Washington ..	3,500	3,400	1,650	56,000	...	...	...	3,400	1,650	56,000
Yuma	32,200	31,000	1,980	613,000	...	...	...	31,000	1,980	613,000
East Central	66,000	61,800	1,880	1,162,000	1,200	500	6,000	63,000	1,850	1,168,000
Archuleta ....	...	...	...	...	...	...	...	...	...	...
Delta	3,200	3,000	1,830	55,000	...	...	...	3,000	1,830	55,000
Dolores	21,200	1,000	1,700	17,000	17,000	310	52,000	18,000	380	69,000
Garfield .....	...	...	...	...	...	...	...	...	...	...
Hinsdale .....	...	...	...	...	...	...	...	...	...	...
La Plata	1,700	...	...	...	1,100	270	3,000	1,100	270	3,000
Mesa	1,900	1,900	1,630	31,000	...	...	...	1,900	1,630	31,000
Montezuma ..	13,900	2,100	1,860	39,000	7,900	290	23,000	10,000	620	62,000
Montrose	10,600	10,500	1,830	192,000	...	...	...	10,500	1,830	192,000
Ouray .....	...	...	...	...	...	...	...	...	...	...
San Juan .....	...	...	...	...	...	...	...	...	...	...
San Miguel ..	1,700	...	...	...	1,500	200	3,000	1,500	200	3,000
Southwest	54,200	18,500	1,810	334,000	27,500	290	81,000	46,000	900	415,000
Alamosa .....	...	...	...	...	...	...	...	...	...	...
Conejos .....	...	...	...	...	...	...	...	...	...	...
Costilla .....	...	...	...	...	...	...	...	...	...	...
Mineral .....	...	...	...	...	...	...	...	...	...	...
Rio Grande ..	...	...	...	...	...	...	...	...	...	...
Saguache ....	...	...	...	...	...	...	...	...	...	...
San Luis Valley	...	...	...	...	...	...	...	...	...	...
Baca .....	...	...	...	...	...	...	...	...	...	...
Bent .....	...	...	...	...	...	...	...	...	...	...
Crowley .....	...	...	...	...	...	...	...	...	...	...
Custer .....	...	...	...	...	...	...	...	...	...	...
Fremont .....	...	...	...	...	...	...	...	...	...	...
Huerfano .....	...	...	...	...	...	...	...	...	...	...
Las Animas ..	...	...	...	...	...	...	...	...	...	...
Otero	1,400	1,400	1,640	23,000	...	...	...	1,400	1,640	23,000
Prowers .....	...	...	...	...	...	...	...	...	...	...
Pueblo	4,400	2,600	1,920	50,000	1,000	200	2,000	3,600	1,440	52,000
Southeast	5,800	4,000	1,830	73,000	1,000	200	2,000	5,000	1,500	75,000
State Total	190,000	135,000	1,830	2,465,000	30,000	310	93,000	165,000	1,550	2,558,000

Dry Beans: Production by County, Colorado, 1996 with Ranking of First Five Counties



CWT



Dry Beans: Acreage and production by county and district, Colorado, 1996

County and District	Acreage planted Acres	Irrigated			Non-Irrigated			Total		
		Acreage harvested Acres	Yield per acre Lbs.	Pro-duction Cwt.	Acreage harvested Acres	Yield per acre Lbs.	Pro-duction Cwt.	Acreage harvested Acres	Yield per acre Lbs.	Pro-duction Cwt.
Chaffee .....	...	...	...	...	...	...	...	...	...	...
Clear Creek ..	...	...	...	...	...	...	...	...	...	...
Eagle .....	...	...	...	...	...	...	...	...	...	...
Gilpin .....	...	...	...	...	...	...	...	...	...	...
Grand .....	...	...	...	...	...	...	...	...	...	...
Gunnison .....	...	...	...	...	...	...	...	...	...	...
Jackson .....	...	...	...	...	...	...	...	...	...	...
Lake .....	...	...	...	...	...	...	...	...	...	...
Moffat .....	...	...	...	...	...	...	...	...	...	...
Park .....	...	...	...	...	...	...	...	...	...	...
Pitkin .....	...	...	...	...	...	...	...	...	...	...
Rio Blanco ...	...	...	...	...	...	...	...	...	...	...
Routt .....	...	...	...	...	...	...	...	...	...	...
Summit .....	...	...	...	...	...	...	...	...	...	...
Teller .....	...	...	...	...	...	...	...	...	...	...
NW & Mountain	...	...	...	...	...	...	...	...	...	...
Boulder	1,200	1,100	1,910	21,000	...	...	...	1,100	1,910	21,000
Jefferson ....	...	...	...	...	...	...	...	...	...	...
Larimer	4,500	4,000	1,880	75,000	400	1,000	4,000	4,400	1,800	79,000
Logan	4,000	3,700	1,840	68,000	...	...	...	3,700	1,840	68,000
Morgan	6,800	6,000	1,700	102,000	...	...	...	6,000	1,700	102,000
Sedgwick	5,000	4,500	1,710	77,000	300	1,330	4,000	4,800	1,690	81,000
Weld	30,500	24,900	1,780	443,000	1,100	820	9,000	26,000	1,740	452,000
Northeast	52,000	44,200	1,780	786,000	1,800	940	17,000	46,000	1,750	803,000

Dry Beans: Acreage and production by county and district, Colorado, 1996, continued

County and District	Acreage planted	Irrigated			Non-Irrigated			Total		
		Acreage harvested	Yield per acre	Pro-duction	Acreage harvested	Yield per acre	Pro-duction	Acreage harvested	Yield per acre	Pro-duction
	Acres	Acres	Lbs.	Cwt.	Acres	Lbs.	Cwt.	Acres	Lbs.	Cwt.
Adams	600	400	1,750	7,000	...	...	...	400	1,750	7,000
Arapahoe ....	...	...	...	...	...	...	...	...	...	...
Cheyenne ....	...	...	...	...	...	...	...	...	...	...
Denver .....	...	...	...	...	...	...	...	...	...	...
Douglas .....	...	...	...	...	...	...	...	...	...	...
Elbert .....	...	...	...	...	...	...	...	...	...	...
El Paso .....	...	...	...	...	...	...	...	...	...	...
Kiowa .....	...	...	...	...	...	...	...	...	...	...
Kit Carson ...	14,600	14,200	1,950	277,000	200	1,000	2,000	14,400	1,940	279,000
Lincoln	300	...	...	...	300	670	2,000	300	670	2,000
Phillips	11,100	10,500	1,900	199,000	...	...	...	10,500	1,900	199,000
Washington ..	3,000	2,900	1,790	52,000	...	...	...	2,900	1,790	52,000
Yuma	32,500	28,200	1,870	526,000	300	1,330	4,000	28,500	1,860	530,000
East Central	62,100	56,200	1,890	1,061,000	800	1,000	8,000	57,000	1,880	1,069,000
Archuleta ....	...	...	...	...	...	...	...	...	...	...
Delta	3,000	2,700	1,850	50,000	...	...	...	2,700	1,850	50,000
Dolores	7,200	1,300	1,230	16,000	...	...	...	1,300	1,230	16,000
Garfield .....	...	...	...	...	...	...	...	...	...	...
Hinsdale ....	...	...	...	...	...	...	...	...	...	...
La Plata	200	...	...	...	...	...	...	...	...	...
Mesa	800	800	1,880	15,000	...	...	...	800	1,880	15,000
Montezuma ..	3,600	1,500	1,870	28,000	300	330	1,000	1,800	1,610	29,000
Montrose	11,500	11,400	1,920	219,000	...	...	...	11,400	1,920	219,000
Ouray .....	...	...	...	...	...	...	...	...	...	...
San Juan ....	...	...	...	...	...	...	...	...	...	...
San Miguel ..	300	...	...	...	...	...	...	...	...	...
Southwest	26,600	17,700	1,850	328,000	300	330	1,000	18,000	1,830	329,000
Alamosa .....	...	...	...	...	...	...	...	...	...	...
Conejos .....	...	...	...	...	...	...	...	...	...	...
Costilla .....	...	...	...	...	...	...	...	...	...	...
Mineral .....	...	...	...	...	...	...	...	...	...	...
Rio Grande ..	...	...	...	...	...	...	...	...	...	...
Saguache ....	...	...	...	...	...	...	...	...	...	...
San Luis Valley	...	...	...	...	...	...	...	...	...	...
Baca .....	...	...	...	...	...	...	...	...	...	...
Bent .....	...	...	...	...	...	...	...	...	...	...
Crowley .....	...	...	...	...	...	...	...	...	...	...
Custer .....	...	...	...	...	...	...	...	...	...	...
Fremont .....	...	...	...	...	...	...	...	...	...	...
Huerfano ....	...	...	...	...	...	...	...	...	...	...
Las Animas ..	...	...	...	...	...	...	...	...	...	...
Otero	600	600	1,670	10,000	...	...	...	600	1,670	10,000
Prowers .....	...	...	...	...	...	...	...	...	...	...
Pueblo	3,700	1,300	2,540	33,000	2,100	290	6,000	3,400	1,150	39,000
Southeast	4,300	1,900	2,260	43,000	2,100	290	6,000	4,000	1,230	49,000
State Total	145,000	120,000	1,850	2,218,000	5,000	640	32,000	125,000	1,800	2,250,000

Dry Beans: Acreage, yield and production by class, Colorado, 1991-96

Year	Acreage planted	Acreage harvested	Yield per acre	Production
	Acres	Acres	Pounds	Hundredweight
Navy				
1991	1,900	1,700	1,760	30,000
1992	600	500	1,600	8,000
1993	1,700	1,000	1,700	17,000
1994	2,000	2,000	1,800	36,000
1995	800	800	1,750	14,000
1996	<u>1/</u>	<u>1/</u>	<u>1/</u>	<u>1/</u>
Light Red Kidney				
1991	2,700	2,700	2,220	60,000
1992	7,400	7,300	2,100	153,000
1993	12,800	8,500	1,160	99,000
1994	8,700	8,500	1,810	154,000
1995	14,500	13,500	1,950	263,000
1996	8,700	8,200	1,390	114,000
Great Northern				
1991	2,300	2,300	1,830	42,000
1992	1,200	1,200	2,250	27,000
1993	200	200	1,000	2,000
1994	900	900	1,560	14,000
1995	4,000	4,000	1,600	64,000
1996	1,300	1,300	1,620	21,000
Pinto				
1991	181,200	171,700	1,850	3,173,000
1992	151,000	146,500	1,620	2,370,000
1993	186,500	172,000	1,420	2,438,000
1994	191,200	181,500	1,600	2,912,000
1995	164,500	140,700	1,530	2,158,000
1996	134,700	115,200	1,830	2,112,000
Black Turtle Soup				
1991	<u>1/</u>	<u>1/</u>	<u>1/</u>	<u>1/</u>
1992	<u>1/</u>	<u>1/</u>	<u>1/</u>	<u>1/</u>
1993	2,900	2,600	1,730	45,000
1994	600	600	1,670	10,000
1995	1,000	1,000	1,900	19,000
1996	<u>1/</u>	<u>1/</u>	<u>1/</u>	<u>1/</u>
Other				
1991	1,900	1,600	1,560	25,000
1992	3,800	3,500	1,430	50,000
1993	900	700	1,140	8,000
1994	1,600	1,500	930	14,000
1995	5,200	5,000	800	40,000
1996	300	300	1,000	3,000
Total				
1991	190,000	180,000	1,850	3,330,000
1992	164,000	159,000	1,640	2,608,000
1993	205,000	185,000	1,410	2,609,000
1994	205,000	195,000	1,610	3,140,000
1995	190,000	165,000	1,550	2,558,000
1996	145,000	125,000	1,800	2,250,000

1/ Not estimated.

Potatoes: Acreage and production by county, Colorado, 1995-1996

County	1995				1996			
	Acreage		Yield per acre	Production	Acreage		Yield per acre	Production
	Planted	Harvested			Planted	Harvested		
	Acres		Cwt	1,000 Cwt	Acres		Cwt	1,000 Cwt
Alamosa	26,100	26,100	310	8,090	29,000	29,000	360	10,455
Conejos	1,300	1,300	270	353	1,500	1,500	375	566
Costilla	4,200	4,200	315	1,315	4,900	4,900	370	1,815
Morgan	1,200	1,200	250	300	1,300	1,300	340	442
Rio Grande	28,500	28,400	305	8,600	25,400	25,300	370	9,380
Saguache	16,900	16,800	325	5,450	17,200	17,100	385	6,570
Weld	3,400	3,300	270	890	3,900	3,800	325	1,238
Yuma	3,700	3,600	365	1,311	3,300	3,200	345	1,100
Other counties ...	1,000	1,000	275	275	1,400	1,400	300	421
State Total	86,300	85,900	309	26,584	87,900	87,500	366	31,987

Potatoes: Production and disposition by seasonal group, Colorado, 1986-95

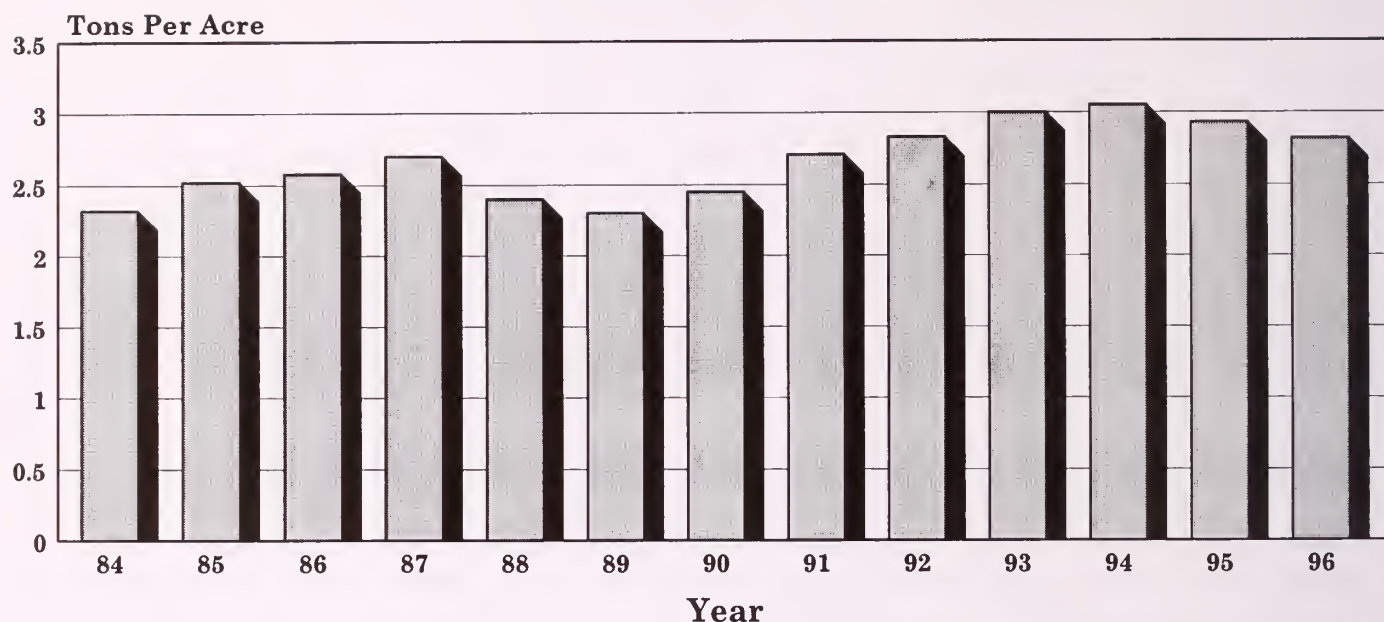
Year	Summer Crop					Fall Crop				
	Production	Farm Disposition				Production	Farm Disposition			
		Seed feed & home use	Shrinkage & loss	Sold			Seed feed & home use	Shrinkage & loss	Sold	
				Quantity	% of Production				Quantity	% of Production
	1,000 Cwt		1,000 Cwt		Percent	1,000 Cwt		1,000 Cwt		Percent
1986	2,070	4	110	1,956	94	18,810	930	1,605	16,275	87
1987	1,859	3	91	1,765	95	19,500	920	1,870	16,710	86
1988	1,861	11	73	1,777	95	19,040	996	1,430	16,614	87
1989	2,144	4	90	2,050	96	20,603	1,067	1,550	17,986	87
1990	2,124	3	125	1,996	94	22,750	1,140	2,685	18,925	83
1991	2,036	6	104	1,926	95	23,800	1,295	2,492	20,013	84
1992	2,010	5	110	1,895	94	22,110	1,310	1,825	18,975	86
1993	2,542	5	100	2,437	96	25,270	1,200	2,040	22,030	87
1994	3,069	6	174	2,889	94	25,795	1,210	2,040	22,545	87
1995	2,776	5	129	2,642	95	23,808	1,285	2,048	20,475	86

Fall Potatoes: Production and stocks, Colorado, 1987-97

	Production	Stocks and percent of production held by growers and commercial storages											
		December 1		January 1		February 1		March 1		April 1		May 1	
		Stocks	Pct.	Stocks	Pct.	Stocks	Pct.	Stocks	Pct.	Stocks	Pct.	Stocks	Pct.
	1,000 Cwt	1,000 Cwt	%	1,000 Cwt	%	1,000 Cwt	%	1,000 Cwt	%	1,000 Cwt	%	1,000 Cwt	%
1987-88 ...	19,500	15,600	80	13,800	71	11,800	61	10,200	52	8,100	42	5,900	30
1988-89 ...	19,040	14,700	77	12,950	68	11,200	59	9,450	50	7,400	39	5,500	29
1989-90 ...	20,603	15,650	76	13,750	67	11,700	57	9,850	48	7,600	37	5,600	27
1990-91 ...	22,750	16,550	73	14,400	63	11,800	52	9,950	44	7,700	34	5,650	25
1991-92 ...	23,800	17,850	75	15,600	66	13,150	55	11,250	47	8,750	37	6,150	26
1992-93 ...	22,110	17,700	80	15,500	70	13,600	62	11,800	53	9,400	43	6,900	31
1993-94 ...	25,270	18,250	72	15,800	63	13,300	53	10,900	43	8,350	33	6,100	24
1994-95 ...	25,795	18,900	73	16,300	63	13,700	53	11,300	44	8,500	33	6,100	24
1995-96 ...	23,808	18,200	76	16,100	68	13,400	56	11,200	47	9,100	38	6,200	26
1996-97 ...	28,786	22,800	79	20,500	71	17,900	62	15,300	53	12,800	44	9,800	34

ALL HAY

Average Yield 1984 - 96



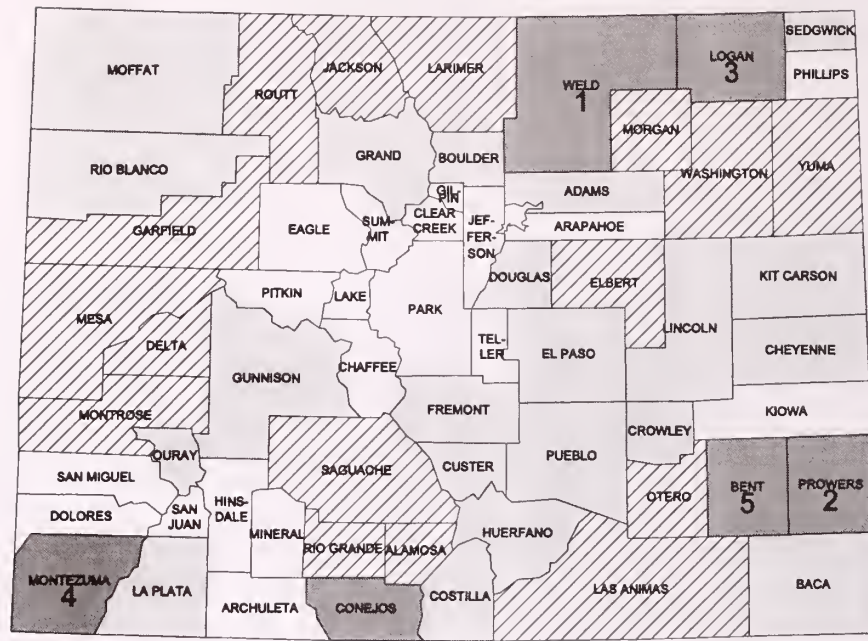
All Hay: Acreage and production by county and district, Colorado, 1995

County and District	Irrigated			Non-Irrigated			Total		
	Acreage Harvested	Yield per acre	Production	Acreage Harvested	Yield per acre	Production	Acreage Harvested	Yield per acre	Production
	Acres	Tons	Tons	Acres	Tons	Tons	Acres	Tons	Tons
Chaffee	10,000	2.25	22,600	500	0.80	400	10,500	2.20	23,000
Clear Creek ..	...	...	...	...	...	...	...	...	...
Eagle	11,200	2.15	23,900	700	1.55	1,100	11,900	2.10	25,000
Gilpin .....	...	...	...	...	...	...	...	...	...
Grand	28,500	1.45	40,700	1,800	1.10	2,000	30,300	1.40	42,700
Gunnison	20,100	1.50	29,700	...	...	...	20,100	1.50	29,700
Jackson	62,500	1.45	90,900	3,200	0.95	3,000	65,700	1.45	93,900
Lake	400	1.75	700	...	...	...	400	1.75	700
Moffat	11,900	2.40	28,500	12,200	1.40	16,900	24,100	1.90	45,400
Park	4,100	1.00	4,000	1,600	0.95	1,500	5,700	0.95	5,500
Pitkin	7,000	2.20	15,500	...	...	...	7,000	2.20	15,500
Rio Blanco ...	18,200	2.80	51,000	2,800	1.50	4,200	21,000	2.65	55,200
Routt	23,400	2.40	56,200	9,900	1.60	16,000	33,300	2.15	72,200
Summit	3,500	1.45	5,100	...	...	...	3,500	1.45	5,100
Teller	1,200	1.85	2,200	300	1.35	400	1,500	1.75	2,600
NW & Mountain	202,000	1.85	371,000	33,000	1.40	45,500	235,000	1.75	416,500
Boulder	13,400	3.45	46,000	2,200	2.40	5,300	15,600	3.30	51,300
Jefferson	1,300	3.70	4,800	1,800	1.15	2,100	3,100	2.25	6,900
Larimer	22,700	3.50	79,500	2,900	1.95	5,600	25,600	3.30	85,100
Logan	37,300	4.30	159,500	13,700	1.30	18,100	51,000	3.50	177,600
Morgan	21,000	4.60	96,800	4,000	1.35	5,400	25,000	4.10	102,200
Sedgwick	6,800	4.75	32,200	600	1.35	800	7,400	4.45	33,000
Weld	92,500	4.45	410,200	8,800	1.65	14,700	101,300	4.20	424,900
Northeast	195,000	4.25	829,000	34,000	1.55	52,000	229,000	3.85	881,000

All Hay: Acreage and production by county and district, Colorado, 1995, continued

County and District	Irrigated			Non-Irrigated			Total		
	Acreage Harvested	Yield per acre	Production	Acreage Harvested	Yield per acre	Production	Acreage Harvested	Yield per acre	Production
	Acres	Tons	Tons	Acres	Tons	Tons	Acres	Tons	Tons
Adams	8,600	4.15	35,800	4,300	1.70	7,300	12,900	3.35	43,100
Arapahoe	2,000	3.35	6,700	4,500	1.15	5,100	6,500	1.80	11,800
Cheyenne	2,600	3.95	10,300	5,900	1.30	7,600	8,500	2.10	17,900
Denver .....	...	...	...	...	...	...	...	...	...
Douglas	4,700	2.75	12,900	6,300	1.05	6,500	11,000	1.75	19,400
Elbert	12,800	3.50	45,100	24,300	1.30	32,100	37,100	2.10	77,200
El Paso	8,000	2.95	23,700	10,100	1.10	11,000	18,100	1.90	34,700
Kiowa	500	4.00	2,000	4,500	1.00	4,500	5,000	1.30	6,500
Kit Carson ...	8,300	4.60	38,000	7,700	1.75	13,500	16,000	3.20	51,500
Lincoln	3,500	3.10	10,800	12,400	1.30	16,300	15,900	1.70	27,100
Phillips	2,300	4.80	11,000	2,500	1.30	3,300	4,800	3.00	14,300
Washington ..	9,100	3.95	35,900	17,600	1.55	27,300	26,700	2.35	63,200
Yuma	18,600	5.40	100,800	4,900	1.75	8,500	23,500	4.65	109,300
East Central	81,000	4.10	333,000	105,000	1.35	143,000	186,000	2.55	476,000
Archuleta	4,200	2.50	10,500	2,900	1.50	4,400	7,100	2.10	14,900
Delta	27,100	3.20	87,000	500	1.40	700	27,600	3.20	87,700
Dolores	5,200	4.40	23,000	4,500	1.30	5,900	9,700	3.00	28,900
Garfield	33,300	2.60	87,000	1,200	1.85	2,200	34,500	2.60	89,200
Hinsdale	800	2.50	2,000	...	...	...	800	2.50	2,000
La Plata	31,600	2.95	93,000	2,900	1.50	4,400	34,500	2.80	97,400
Mesa	37,400	3.55	132,000	900	1.90	1,700	38,300	3.50	133,700
Montezuma ..	42,500	4.00	171,000	10,200	1.25	12,800	52,700	3.50	183,800
Montrose	37,200	3.10	116,000	600	1.85	1,100	37,800	3.10	117,100
Ouray	9,700	2.35	22,900	...	...	...	9,700	2.35	22,900
San Juan .....	...	...	...	...	...	...	...	...	...
San Miguel ..	6,000	2.10	12,600	300	1.00	300	6,300	2.05	12,900
Southwest	235,000	3.20	757,000	24,000	1.40	33,500	259,000	3.05	790,500
Alamosa	38,300	2.85	108,500	...	...	...	38,300	2.85	108,500
Conejos	67,000	2.75	183,000	500	1.00	500	67,500	2.70	183,500
Costilla	16,900	2.85	48,500	...	...	...	16,900	2.85	48,500
Mineral .....	...	...	...	...	...	...	...	...	...
Rio Grande ..	33,200	3.10	102,500	...	...	...	33,200	3.10	102,500
Saguache	43,600	2.45	106,500	500	1.00	500	44,100	2.45	107,000
San Luis Valley	199,000	2.75	549,000	1,000	1.00	1,000	200,000	2.75	550,000
Baca	3,300	3.90	12,800	6,300	1.25	8,000	9,600	2.15	20,800
Bent	44,500	3.20	141,600	...	...	...	44,500	3.20	141,600
Crowley	8,500	3.95	33,500	2,000	1.30	2,600	10,500	3.45	36,100
Custer	10,800	2.45	26,500	900	1.80	1,600	11,700	2.40	28,100
Fremont	8,800	3.05	26,800	...	...	...	8,800	3.05	26,800
Huerfano	18,100	3.30	59,500	1,100	1.10	1,200	19,200	3.15	60,700
Las Animas ..	21,800	3.05	66,800	5,100	1.40	7,100	26,900	2.75	73,900
Otero	28,700	4.50	129,500	...	...	...	28,700	4.50	129,500
Prowers	74,500	3.90	290,800	1,500	1.40	2,100	76,000	3.85	292,900
Pueblo	13,000	3.95	51,200	2,100	1.15	2,400	15,100	3.55	53,600
Southeast	232,000	3.60	839,000	19,000	1.30	25,000	251,000	3.45	864,000
State Total	1,144,000	3.20	3,678,000	216,000	1.40	300,000	1,360,000	2.93	3,978,000

All Hay: Production by County, Colorado, 1996 with Ranking of First Five Counties



TONS



All Hay: Acreage and production by county and district, Colorado, 1996

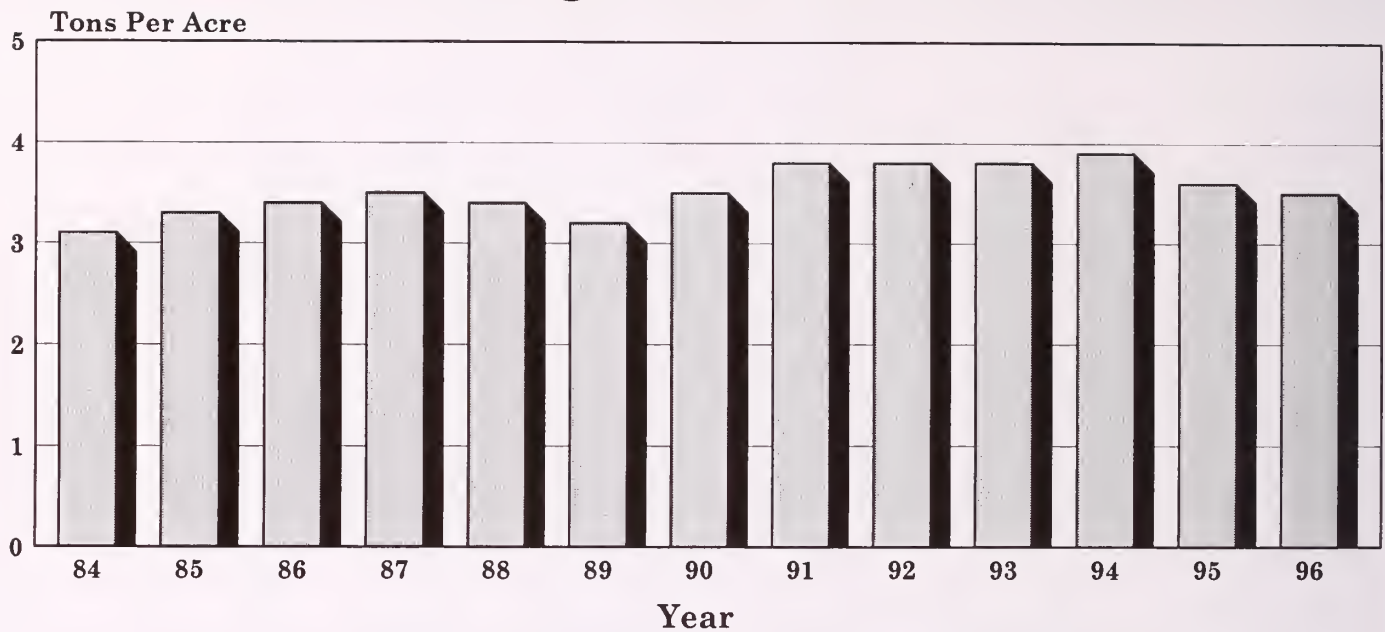
County and District	Irrigated			Non-Irrigated			Total		
	Acreage Harvested	Yield per acre	Production	Acreage Harvested	Yield per acre	Production	Acreage Harvested	Yield per acre	Production
	Acres	Tons	Tons	Acres	Tons	Tons	Acres	Tons	Tons
Chaffee	11,500	2.05	23,500	500	1.00	500	12,000	2.00	24,000
Clear Creek ..	...	...	...	...	...	...	...	...	...
Eagle	13,000	1.40	18,400	1,000	1.30	1,300	14,000	1.40	19,700
Gilpin .....	...	...	...	...	...	...	...	...	...
Grand	31,500	1.55	49,000	3,000	1.20	3,600	34,500	1.50	52,600
Gunnison	22,500	1.25	28,600	...	...	...	22,500	1.25	28,600
Jackson	72,000	1.40	100,000	5,000	1.25	6,200	77,000	1.40	106,200
Lake	500	1.20	600	...	...	...	500	1.20	600
Moffat	13,500	2.35	31,400	12,000	0.95	11,300	25,500	1.65	42,700
Park	5,000	1.20	6,000	2,000	0.80	1,600	7,000	1.10	7,600
Pitkin	5,500	1.25	7,000	...	...	...	5,500	1.25	7,000
Rio Blanco ...	25,500	2.45	62,900	2,500	1.40	3,500	28,000	2.35	66,400
Routt	31,000	2.00	62,000	11,000	1.30	14,500	42,000	1.80	76,500
Summit	4,000	1.50	6,000	...	...	...	4,000	1.50	6,000
Teller	1,500	1.75	2,600	1,000	1.50	1,500	2,500	1.65	4,100
NW & Mountain	237,000	1.70	398,000	38,000	1.15	44,000	275,000	1.60	442,000
Boulder	18,200	2.85	51,700	1,800	1.45	2,600	20,000	2.70	54,300
Jefferson	1,100	3.65	4,000	2,400	1.00	2,400	3,500	1.85	6,400
Larimer	25,300	3.80	96,000	2,200	1.70	3,700	27,500	3.65	99,700
Logan	39,000	4.70	184,000	11,200	1.45	16,000	50,200	4.00	200,000
Morgan	18,200	4.80	87,500	3,400	1.40	4,800	21,600	4.25	92,300
Sedgwick	7,900	3.95	31,300	500	1.60	800	8,400	3.80	32,100
Weld	90,300	4.60	415,500	8,500	1.45	12,200	98,800	4.35	427,700
Northeast	200,000	4.35	870,000	30,000	1.40	42,500	230,000	3.95	912,500

All Hay: Acreage and production by county and district, Colorado, 1996, continued

County and District	Irrigated			Non-Irrigated			Total		
	Acreage Harvested	Yield per acre	Production	Acreage Harvested	Yield per acre	Production	Acreage Harvested	Yield per acre	Production
	Acres	Tons	Tons	Acres	Tons	Tons	Acres	Tons	Tons
Adams	7,800	4.15	32,500	3,800	1.55	5,900	11,600	3.30	38,400
Arapahoe	2,100	3.90	8,200	3,900	1.00	3,900	6,000	2.00	12,100
Cheyenne	4,100	4.70	19,200	9,300	1.90	17,700	13,400	2.75	36,900
Denver .....	...	...	...	...	...	...	...	...	...
Douglas	6,100	3.95	24,000	8,400	1.00	8,300	14,500	2.25	32,300
Elbert	14,900	3.25	48,200	28,000	1.05	30,000	42,900	1.80	78,200
El Paso	8,600	3.15	27,100	11,700	0.95	11,100	20,300	1.90	38,200
Kiowa	1,500	3.20	4,800	7,600	2.50	19,000	9,100	2.60	23,800
Kit Carson ...	7,800	4.50	35,200	10,800	1.80	19,400	18,600	2.95	54,600
Lincoln	3,100	3.25	10,000	13,500	1.25	16,600	16,600	1.60	26,600
Phillips	2,800	5.00	14,000	3,800	2.00	7,600	6,600	3.25	21,600
Washington ..	10,000	4.20	42,000	22,000	1.75	38,400	32,000	2.50	80,400
Yuma	18,200	5.05	91,800	5,200	2.15	11,100	23,400	4.40	102,900
East Central	87,000	4.10	357,000	128,000	1.50	189,000	215,000	2.55	546,000
Archuleta	4,500	1.55	7,000	500	1.20	600	5,000	1.50	7,600
Delta	35,300	2.65	93,000	200	1.50	300	35,500	2.65	93,300
Dolores	5,600	3.75	21,000	2,400	1.00	2,400	8,000	2.95	23,400
Garfield	37,900	2.40	91,000	900	1.20	1,100	38,800	2.35	92,100
Hinsdale	900	1.10	1,000	...	...	...	900	1.10	1,000
La Plata	28,000	2.05	57,000	1,500	1.15	1,700	29,500	2.00	58,700
Mesa	41,200	3.10	128,000	800	1.50	1,200	42,000	3.10	129,200
Montezuma ..	39,800	4.00	159,000	5,700	0.80	4,700	45,500	3.60	163,700
Montrose	40,000	3.30	132,000	...	...	...	40,000	3.30	132,000
Ouray	12,300	2.10	26,000	...	...	...	12,300	2.10	26,000
San Juan ....	...	...	...	...	...	...	...	...	...
San Miguel ..	7,500	1.35	10,000	...	...	...	7,500	1.35	10,000
Southwest	253,000	2.85	725,000	12,000	1.00	12,000	265,000	2.80	737,000
Alamosa	33,500	2.60	87,000	...	...	...	33,500	2.60	87,000
Conejos	66,000	2.35	155,000	600	1.50	900	66,600	2.35	155,900
Costilla	16,200	3.10	50,000	...	...	...	16,200	3.10	50,000
Mineral .....	...	...	...	...	...	...	...	...	...
Rio Grande ..	30,000	3.00	90,000	700	1.85	1,300	30,700	2.95	91,300
Saguache	37,300	2.20	82,000	700	1.15	800	38,000	2.20	82,800
San Luis Valley	183,000	2.55	464,000	2,000	1.50	3,000	185,000	2.50	467,000
Baca	3,500	4.85	17,000	11,300	2.25	25,700	14,800	2.90	42,700
Bent	40,100	3.95	157,500	...	...	...	40,100	3.95	157,500
Crowley	9,600	3.90	37,500	2,800	1.80	5,100	12,400	3.45	42,600
Custer	15,500	1.90	29,500	1,600	1.50	2,400	17,100	1.85	31,900
Fremont	11,100	2.90	32,000	300	1.65	500	11,400	2.85	32,500
Huerfano	19,200	2.30	44,000	2,100	1.50	3,100	21,300	2.20	47,100
Las Animas ..	24,100	3.10	75,000	6,400	1.80	11,600	30,500	2.85	86,600
Otero	25,200	4.65	117,000	...	...	...	25,200	4.65	117,000
Prowers	73,900	4.25	314,000	3,200	2.45	7,900	77,100	4.20	321,900
Pueblo	16,800	3.90	65,500	3,300	1.25	4,200	20,100	3.45	69,700
Southeast	239,000	3.70	889,000	31,000	1.95	60,500	270,000	3.50	949,500
State Total	1,199,000	3.10	3,703,000	241,000	1.45	351,000	1,440,000	2.82	4,054,000

ALFALFA HAY

Average Yield 1984 - 96



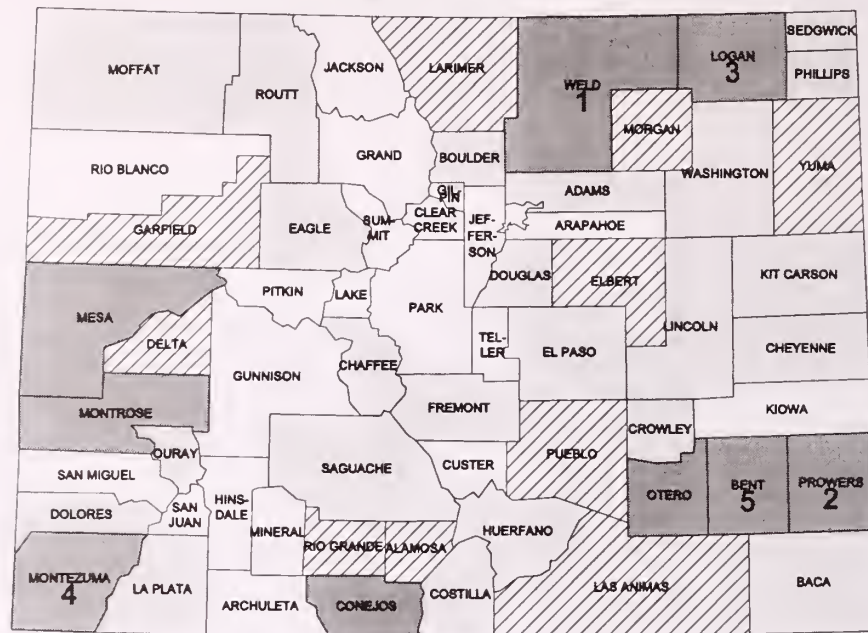
Alfalfa Hay: Acreage and production by county and district, Colorado, 1995

County and District	Irrigated			Non-Irrigated			Total		
	Acreage Harvested	Yield per acre	Production	Acreage Harvested	Yield per acre	Production	Acreage Harvested	Yield per acre	Production
	Acres	Tons	Tons	Acres	Tons	Tons	Acres	Tons	Tons
Chaffee	4,500	2.80	12,600	...	...	...	4,500	2.80	12,600
Clear Creek ..	...	...	...	...	...	...	...	...	...
Eagle	5,500	2.55	13,900	...	...	...	5,500	2.55	13,900
Gilpin .....	...	...	...	...	...	...	...	...	...
Grand	2,500	1.50	3,700	...	...	...	2,500	1.50	3,700
Gunnison	500	3.40	1,700	...	...	...	500	3.40	1,700
Jackson	500	3.80	1,900	...	...	...	500	3.80	1,900
Lake .....	...	...	...	...	...	...	...	...	...
Moffat	6,900	2.25	15,500	8,600	1.45	12,300	15,500	1.80	27,800
Park .....	...	...	...	...	...	...	...	...	...
Pitkin	4,000	2.65	10,500	...	...	...	4,000	2.65	10,500
Rio Blanco ...	5,200	2.90	15,000	1,800	1.50	2,700	7,000	2.55	17,700
Routt	3,400	3.00	10,200	6,600	1.60	10,500	10,000	2.05	20,700
Summit .....	...	...	...	...	...	...	...	...	...
Teller .....	...	...	...	...	...	...	...	...	...
NW & Mountain	33,000	2.60	85,000	17,000	1.50	25,500	50,000	2.20	110,500
Boulder	9,600	3.95	38,000	1,400	2.95	4,100	11,000	3.85	42,100
Jefferson	700	5.00	3,500	300	2.00	600	1,000	4.10	4,100
Larimer	17,500	3.90	68,500	1,500	2.05	3,100	19,000	3.75	71,600
Logan	32,300	4.60	149,000	2,700	1.90	5,100	35,000	4.40	154,100
Morgan	20,000	4.70	94,000	2,000	1.70	3,400	22,000	4.45	97,400
Sedgwick	6,000	5.00	30,000	...	...	...	6,000	5.00	30,000
Weld	82,900	4.70	391,000	3,100	2.50	7,700	86,000	4.65	398,700
Northeast	169,000	4.60	774,000	11,000	2.20	24,000	180,000	4.45	798,000

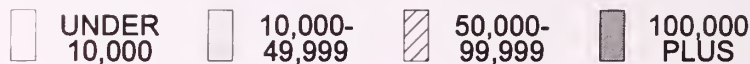
Alfalfa Hay: Acreage and production by county and district, Colorado, 1995, continued

County and District	Irrigated			Non-Irrigated			Total		
	Acreage Harvested	Yield per acre	Production	Acreage Harvested	Yield per acre	Production	Acreage Harvested	Yield per acre	Production
	Acres	Tons	Tons	Acres	Tons	Tons	Acres	Tons	Tons
Adams	7,200	4.40	31,700	1,300	2.70	3,500	8,500	4.15	35,200
Arapahoe	1,600	3.55	5,700	400	2.00	800	2,000	3.25	6,500
Cheyenne	1,700	5.00	8,500	300	1.35	400	2,000	4.45	8,900
Denver .....	...	...	...	...	...	...	...	...	...
Douglas	3,700	2.95	11,000	1,300	1.55	2,000	5,000	2.60	13,000
Elbert	10,400	3.75	39,000	11,600	1.40	16,100	22,000	2.50	55,100
El Paso	5,900	3.40	20,000	2,600	1.10	2,800	8,500	2.70	22,800
Kiowa	500	4.00	2,000	...	...	...	500	4.00	2,000
Kit Carson ...	5,800	5.40	31,300	200	2.50	500	6,000	5.30	31,800
Lincoln	2,300	3.75	8,600	1,700	1.65	2,800	4,000	2.85	11,400
Phillips	2,300	4.80	11,000	200	1.50	300	2,500	4.50	11,300
Washington ..	7,400	4.25	31,400	4,600	1.80	8,300	12,000	3.30	39,700
Yuma	16,200	5.85	94,800	800	1.90	1,500	17,000	5.65	96,300
East Central	65,000	4.55	295,000	25,000	1.55	39,000	90,000	3.70	334,000
Archuleta	1,400	3.20	4,500	2,100	1.50	3,200	3,500	2.20	7,700
Delta	18,300	3.50	64,000	200	1.00	200	18,500	3.45	64,200
Dolores	5,200	4.40	23,000	4,300	1.30	5,600	9,500	3.00	28,600
Garfield	25,900	2.80	72,000	100	2.00	200	26,000	2.80	72,200
Hinsdale .....	...	...	...	...	...	...	...	...	...
La Plata	21,800	3.05	66,000	2,200	1.50	3,300	24,000	2.90	69,300
Mesa	28,700	3.90	112,000	300	2.35	700	29,000	3.90	112,700
Montezuma ..	37,500	4.20	157,000	9,500	1.25	12,000	47,000	3.60	169,000
Montrose	26,000	3.35	87,000	...	...	...	26,000	3.35	87,000
Ouray	3,000	3.30	9,900	...	...	...	3,000	3.30	9,900
San Juan .....	...	...	...	...	...	...	...	...	...
San Miguel ..	3,200	2.40	7,600	300	1.00	300	3,500	2.25	7,900
Southwest	171,000	3.55	603,000	19,000	1.35	25,500	190,000	3.30	628,500
Alamosa	30,000	3.05	91,500	...	...	...	30,000	3.05	91,500
Conejos	50,000	3.05	153,000	...	...	...	50,000	3.05	153,000
Costilla	14,000	3.20	44,500	...	...	...	14,000	3.20	44,500
Mineral .....	...	...	...	...	...	...	...	...	...
Rio Grande ..	24,000	3.45	82,500	...	...	...	24,000	3.45	82,500
Saguache	22,000	3.30	72,500	...	...	...	22,000	3.30	72,500
San Luis Valley	140,000	3.15	444,000	...	...	...	140,000	3.15	444,000
Baca	2,500	4.20	10,500	500	2.00	1,000	3,000	3.85	11,500
Bent	42,500	3.20	136,000	...	...	...	42,500	3.20	136,000
Crowley	7,500	4.15	31,000	1,000	1.20	1,200	8,500	3.80	32,200
Custer	1,800	2.50	4,500	200	2.00	400	2,000	2.45	4,900
Fremont	5,000	3.30	16,500	...	...	...	5,000	3.30	16,500
Huerfano	14,400	3.40	49,000	600	1.00	600	15,000	3.30	49,600
Las Animas ..	14,700	3.45	50,500	300	2.00	600	15,000	3.40	51,100
Otero	26,000	4.60	119,000	...	...	...	26,000	4.60	119,000
Prowers	71,500	3.90	279,500	500	1.80	900	72,000	3.90	280,400
Pueblo	10,100	4.20	42,500	900	1.45	1,300	11,000	4.00	43,800
Southeast	196,000	3.75	739,000	4,000	1.50	6,000	200,000	3.75	745,000
State Total	774,000	3.80	2,940,000	76,000	1.60	120,000	850,000	3.60	3,060,000

Alfalfa Hay: Production by County, Colorado, 1996 with Ranking of First Five Counties



TONS



Alfalfa Hay: Acreage and production by county and district, Colorado, 1996

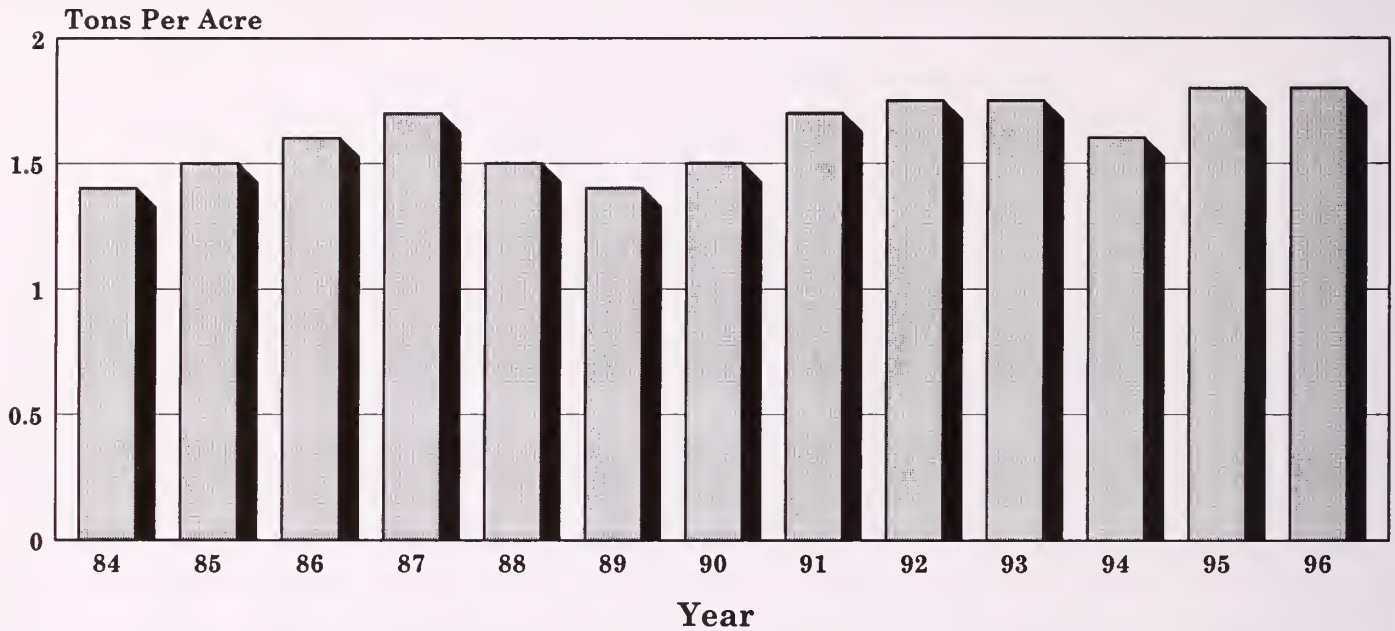
County and District	Irrigated			Non-Irrigated			Total		
	Acreage Harvested	Yield per acre	Production	Acreage Harvested	Yield per acre	Production	Acreage Harvested	Yield per acre	Production
	Acres	Tons	Tons	Acres	Tons	Tons	Acres	Tons	Tons
Chaffee	5,500	2.10	11,500	...	...	...	5,500	2.10	11,500
Clear Creek ..	...	...	...	...	...	...	...	...	...
Eagle	7,000	1.45	10,000	...	...	...	7,000	1.45	10,000
Gilpin .....	...	...	...	...	...	...	...	...	...
Grand	1,500	2.65	4,000	...	...	...	1,500	2.65	4,000
Gunnison	500	1.20	600	...	...	...	500	1.20	600
Jackson .....	...	...	...	...	...	...	...	...	...
Lake .....	...	...	...	...	...	...	...	...	...
Moffat	3,500	2.40	8,400	6,000	0.80	4,800	9,500	1.40	13,200
Park .....	...	...	...	...	...	...	...	...	...
Pitkin	2,500	1.20	3,000	...	...	...	2,500	1.20	3,000
Rio Blanco ...	2,500	2.60	6,500	500	1.40	700	3,000	2.40	7,200
Routt	4,000	2.00	8,000	6,500	1.30	8,500	10,500	1.55	16,500
Summit .....	...	...	...	...	...	...	...	...	...
Teller .....	...	...	...	...	...	...	...	...	...
NW & Mountain	27,000	1.95	52,000	13,000	1.10	14,000	40,000	1.65	66,000
Boulder	13,700	3.00	41,000	1,300	1.60	2,100	15,000	2.85	43,100
Jefferson	700	4.55	3,200	300	1.35	400	1,000	3.60	3,600
Larimer	19,000	4.15	79,000	1,000	2.20	2,200	20,000	4.05	81,200
Logan	33,500	5.05	169,000	2,000	1.50	3,000	35,500	4.85	172,000
Morgan	17,600	4.90	86,000	2,400	1.30	3,100	20,000	4.45	89,100
Sedgwick	7,000	4.10	28,800	...	...	...	7,000	4.10	28,800
Weld	78,500	4.90	383,000	3,000	1.55	4,700	81,500	4.75	387,700
Northeast	170,000	4.65	790,000	10,000	1.55	15,500	180,000	4.50	805,500

Alfalfa Hay: Acreage and production by county and district, Colorado, 1996, continued

County and District	Irrigated			Non-Irrigated			Total		
	Acreage Harvested	Yield per acre	Production	Acreage Harvested	Yield per acre	Production	Acreage Harvested	Yield per acre	Production
	Acres	Tons	Tons	Acres	Tons	Tons	Acres	Tons	Tons
Adams	6,900	4.35	30,000	1,100	2.00	2,200	8,000	4.05	32,200
Arapahoe	1,700	4.10	7,000	300	1.35	400	2,000	3.70	7,400
Cheyenne	3,200	5.30	17,000	800	1.50	1,200	4,000	4.55	18,200
Denver .....	...	...	...	...	...	...	...	...	...
Douglas	5,000	4.40	22,000	3,000	1.10	3,300	8,000	3.15	25,300
Elbert	13,000	3.30	43,000	16,000	1.00	16,000	29,000	2.05	59,000
El Paso	6,600	3.35	22,000	3,400	0.80	2,700	10,000	2.45	24,700
Kiowa	1,000	3.00	3,000	...	...	...	1,000	3.00	3,000
Kit Carson ...	5,000	5.00	25,000	500	1.80	900	5,500	4.70	25,900
Lincoln	2,000	4.00	8,000	3,000	1.20	3,600	5,000	2.30	11,600
Phillips	2,800	5.00	14,000	200	1.00	200	3,000	4.75	14,200
Washington ..	8,500	4.60	39,000	4,000	2.35	9,400	12,500	3.85	48,400
Yuma	16,300	5.35	87,000	700	1.55	1,100	17,000	5.20	88,100
East Central	72,000	4.40	317,000	33,000	1.25	41,000	105,000	3.40	358,000
Archuleta	1,500	2.65	4,000	500	1.20	600	2,000	2.30	4,600
Delta	29,800	2.75	82,000	200	1.50	300	30,000	2.75	82,300
Dolores	5,600	3.75	21,000	2,400	1.00	2,400	8,000	2.95	23,400
Garfield	31,900	2.50	80,000	100	2.00	200	32,000	2.50	80,200
Hinsdale ....	...	...	...	...	...	...	...	...	...
La Plata	20,000	1.95	39,000	1,000	1.30	1,300	21,000	1.90	40,300
Mesa	35,200	3.35	118,000	800	1.50	1,200	36,000	3.30	119,200
Montezuma ..	35,000	4.30	150,000	5,000	0.80	4,000	40,000	3.85	154,000
Montrose	30,000	3.55	107,000	...	...	...	30,000	3.55	107,000
Ouray	6,000	2.35	14,000	...	...	...	6,000	2.35	14,000
San Juan .....	...	...	...	...	...	...	...	...	...
San Miguel ..	5,000	1.00	5,000	...	...	...	5,000	1.00	5,000
Southwest	200,000	3.10	620,000	10,000	1.00	10,000	210,000	3.00	630,000
Alamosa	25,000	2.90	72,000	...	...	...	25,000	2.90	72,000
Conejos	52,000	2.50	131,000	...	...	...	52,000	2.50	131,000
Costilla	14,000	3.30	46,000	...	...	...	14,000	3.30	46,000
Mineral .....	...	...	...	...	...	...	...	...	...
Rio Grande ..	21,000	3.50	73,000	...	...	...	21,000	3.50	73,000
Saguache	13,000	3.60	47,000	...	...	...	13,000	3.60	47,000
San Luis Valley	125,000	2.95	369,000	...	...	...	125,000	2.95	369,000
Baca	2,200	5.45	12,000	300	2.35	700	2,500	5.10	12,700
Bent	38,000	3.95	150,000	...	...	...	38,000	3.95	150,000
Crowley	8,200	4.15	34,000	800	2.00	1,600	9,000	3.95	35,600
Custer	1,400	2.50	3,500	600	1.50	900	2,000	2.20	4,400
Fremont	6,500	3.55	23,000	...	...	...	6,500	3.55	23,000
Huerfano	15,700	2.05	32,000	1,300	1.00	1,300	17,000	1.95	33,300
Las Animas ..	16,000	3.45	55,000	...	...	...	16,000	3.45	55,000
Otero	23,000	4.80	110,000	...	...	...	23,000	4.80	110,000
Prowers	69,800	4.30	299,000	200	2.00	400	70,000	4.30	299,400
Pueblo	14,200	4.00	56,500	1,800	0.90	1,600	16,000	3.65	58,100
Southeast	195,000	3.95	775,000	5,000	1.30	6,500	200,000	3.90	781,500
State Total	789,000	3.70	2,923,000	71,000	1.25	87,000	860,000	3.50	3,010,000

OTHER HAY

Average Yield 1984 - 96



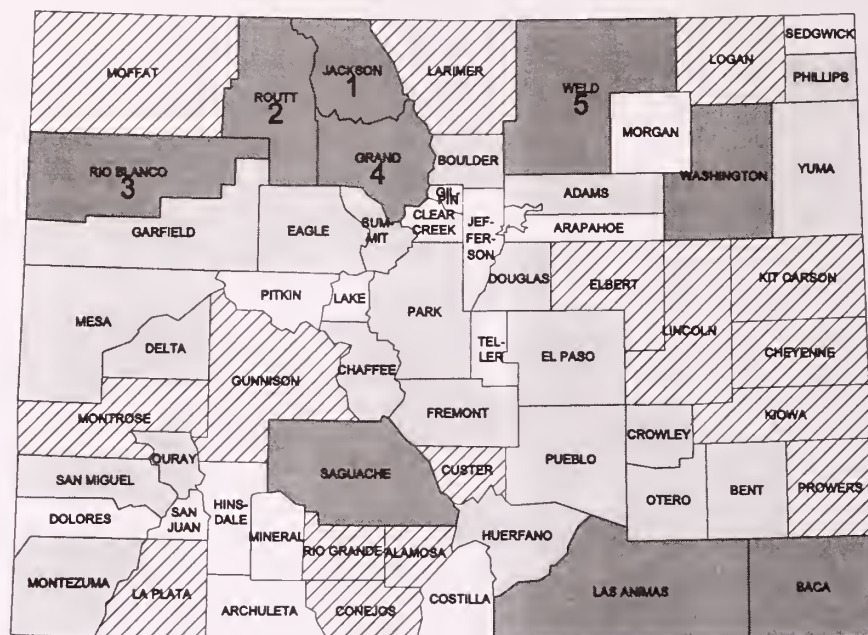
Other Hay: Acreage and production by county and district, Colorado, 1995

County and District	Irrigated			Non-Irrigated			Total		
	Acreage Harvested	Yield per acre	Production	Acreage Harvested	Yield per acre	Production	Acreage Harvested	Yield per acre	Production
	Acres	Tons	Tons	Acres	Tons	Tons	Acres	Tons	Tons
Chaffee	5,500	1.80	10,000	500	0.80	400	6,000	1.75	10,400
Clear Creek ..	...	...	...	...	...	...	...	...	...
Eagle	5,700	1.75	10,000	700	1.55	1,100	6,400	1.75	11,100
Gilpin .....	...	...	...	...	...	...	...	...	...
Grand	26,000	1.40	37,000	1,800	1.10	2,000	27,800	1.40	39,000
Gunnison	19,600	1.45	28,000	...	...	...	19,600	1.45	28,000
Jackson	62,000	1.45	89,000	3,200	0.95	3,000	65,200	1.40	92,000
Lake	400	1.75	700	...	...	...	400	1.75	700
Moffat	5,000	2.60	13,000	3,600	1.30	4,600	8,600	2.05	17,600
Park	4,100	1.00	4,000	1,600	0.95	1,500	5,700	0.95	5,500
Pitkin	3,000	1.65	5,000	...	...	...	3,000	1.65	5,000
Rio Blanco ...	13,000	2.75	36,000	1,000	1.50	1,500	14,000	2.70	37,500
Routt	20,000	2.30	46,000	3,300	1.65	5,500	23,300	2.20	51,500
Summit	3,500	1.45	5,100	...	...	...	3,500	1.45	5,100
Teller	1,200	1.85	2,200	300	1.35	400	1,500	1.75	2,600
NW & Mountain	169,000	1.70	286,000	16,000	1.25	20,000	185,000	1.65	306,000
Boulder	3,800	2.10	8,000	800	1.50	1,200	4,600	2.00	9,200
Jefferson	600	2.15	1,300	1,500	1.00	1,500	2,100	1.35	2,800
Larimer	5,200	2.10	11,000	1,400	1.80	2,500	6,600	2.05	13,500
Logan	5,000	2.10	10,500	11,000	1.20	13,000	16,000	1.45	23,500
Morgan	1,000	2.80	2,800	2,000	1.00	2,000	3,000	1.60	4,800
Sedgwick	800	2.75	2,200	600	1.35	800	1,400	2.15	3,000
Weld	9,600	2.00	19,200	5,700	1.25	7,000	15,300	1.70	26,200
Northeast	26,000	2.10	55,000	23,000	1.20	28,000	49,000	1.70	83,000

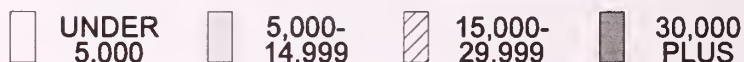
Other Hay: Acreage and production by county and district, Colorado, 1995, continued

County and District	Irrigated			Non-Irrigated			Total		
	Acreage Harvested	Yield per acre	Production	Acreage Harvested	Yield per acre	Production	Acreage Harvested	Yield per acre	Production
	Acres	Tons	Tons	Acres	Tons	Tons	Acres	Tons	Tons
Adams	1,400	2.95	4,100	3,000	1.25	3,800	4,400	1.80	7,900
Arapahoe	400	2.50	1,000	4,100	1.05	4,300	4,500	1.20	5,300
Cheyenne	900	2.00	1,800	5,600	1.30	7,200	6,500	1.40	9,000
Denver .....	...	...	...	...	...	...	...	...	...
Douglas	1,000	1.90	1,900	5,000	0.90	4,500	6,000	1.05	6,400
Elbert	2,400	2.55	6,100	12,700	1.25	16,000	15,100	1.45	22,100
El Paso	2,100	1.75	3,700	7,500	1.10	8,200	9,600	1.25	11,900
Kiowa .....	...	...	...	4,500	1.00	4,500	4,500	1.00	4,500
Kit Carson ...	2,500	2.70	6,700	7,500	1.75	13,000	10,000	1.95	19,700
Lincoln	1,200	1.85	2,200	10,700	1.25	13,500	11,900	1.30	15,700
Phillips .....	...	...	...	2,300	1.30	3,000	2,300	1.30	3,000
Washington ..	1,700	2.65	4,500	13,000	1.45	19,000	14,700	1.60	23,500
Yuma	2,400	2.50	6,000	4,100	1.70	7,000	6,500	2.00	13,000
East Central	16,000	2.40	38,000	80,000	1.30	104,000	96,000	1.50	142,000
Archuleta	2,800	2.15	6,000	800	1.50	1,200	3,600	2.00	7,200
Delta	8,800	2.60	23,000	300	1.65	500	9,100	2.60	23,500
Dolores .....	...	...	...	200	1.50	300	200	1.50	300
Garfield	7,400	2.05	15,000	1,100	1.80	2,000	8,500	2.00	17,000
Hinsdale	800	2.50	2,000	...	...	...	800	2.50	2,000
La Plata	9,800	2.75	27,000	700	1.55	1,100	10,500	2.70	28,100
Mesa	8,700	2.30	20,000	600	1.65	1,000	9,300	2.25	21,000
Montezuma ..	5,000	2.80	14,000	700	1.15	800	5,700	2.60	14,800
Montrose	11,200	2.60	29,000	600	1.85	1,100	11,800	2.55	30,100
Ouray	6,700	1.95	13,000	...	...	...	6,700	1.95	13,000
San Juan ....	...	...	...	...	...	...	...	...	...
San Miguel ..	2,800	1.80	5,000	...	...	...	2,800	1.80	5,000
Southwest	64,000	2.40	154,000	5,000	1.60	8,000	69,000	2.35	162,000
Alamosa	8,300	2.05	17,000	...	...	...	8,300	2.05	17,000
Conejos	17,000	1.75	30,000	500	1.00	500	17,500	1.75	30,500
Costilla	2,900	1.40	4,000	...	...	...	2,900	1.40	4,000
Mineral .....	...	...	...	...	...	...	...	...	...
Rio Grande ..	9,200	2.15	20,000	...	...	...	9,200	2.15	20,000
Saguache	21,600	1.55	34,000	500	1.00	500	22,100	1.55	34,500
San Luis Valley	59,000	1.80	105,000	1,000	1.00	1,000	60,000	1.75	106,000
Baca	800	2.90	2,300	5,800	1.20	7,000	6,600	1.40	9,300
Bent	2,000	2.80	5,600	...	...	...	2,000	2.80	5,600
Crowley	1,000	2.50	2,500	1,000	1.40	1,400	2,000	1.95	3,900
Custer	9,000	2.45	22,000	700	1.70	1,200	9,700	2.40	23,200
Fremont	3,800	2.70	10,300	...	...	...	3,800	2.70	10,300
Huerfano	3,700	2.85	10,500	500	1.20	600	4,200	2.65	11,100
Las Animas ..	7,100	2.30	16,300	4,800	1.35	6,500	11,900	1.90	22,800
Otero	2,700	3.90	10,500	...	...	...	2,700	3.90	10,500
Prowers	3,000	3.75	11,300	1,000	1.20	1,200	4,000	3.15	12,500
Pueblo	2,900	3.00	8,700	1,200	0.90	1,100	4,100	2.40	9,800
Southeast	36,000	2.80	100,000	15,000	1.25	19,000	51,000	2.35	119,000
State Total	370,000	2.00	738,000	140,000	1.30	180,000	510,000	1.80	918,000

Other Hay: Production by County, Colorado, 1996 with Ranking of First Five Counties



TONS



Other Hay: Acreage and production by county and district, Colorado, 1996

County and District	Irrigated			Non-Irrigated			Total		
	Acreage Harvested	Yield per acre	Production	Acreage Harvested	Yield per acre	Production	Acreage Harvested	Yield per acre	Production
	Acres	Tons	Tons	Acres	Tons	Tons	Acres	Tons	Tons
Chaffee	6,000	2.00	12,000	500	1.00	500	6,500	1.90	12,500
Clear Creek ..	...	...	...	...	...	...	...	...	...
Eagle	6,000	1.40	8,400	1,000	1.30	1,300	7,000	1.40	9,700
Gilpin .....	...	...	...	...	...	...	...	...	...
Grand	30,000	1.50	45,000	3,000	1.20	3,600	33,000	1.45	48,600
Gunnison	22,000	1.25	28,000	...	...	...	22,000	1.25	28,000
Jackson	72,000	1.40	100,000	5,000	1.25	6,200	77,000	1.40	106,200
Lake	500	1.20	600	...	...	...	500	1.20	600
Moffat	10,000	2.30	23,000	6,000	1.10	6,500	16,000	1.85	29,500
Park	5,000	1.20	6,000	2,000	0.80	1,600	7,000	1.10	7,600
Pitkin	3,000	1.35	4,000	...	...	...	3,000	1.35	4,000
Rio Blanco ...	23,000	2.45	56,400	2,000	1.40	2,800	25,000	2.35	59,200
Routt	27,000	2.00	54,000	4,500	1.35	6,000	31,500	1.90	60,000
Summit	4,000	1.50	6,000	...	...	...	4,000	1.50	6,000
Teller	1,500	1.75	2,600	1,000	1.50	1,500	2,500	1.65	4,100
NW & Mountain	210,000	1.65	346,000	25,000	1.20	30,000	235,000	1.60	376,000
Boulder	4,500	2.40	10,700	500	1.00	500	5,000	2.25	11,200
Jefferson	400	2.00	800	2,100	0.95	2,000	2,500	1.10	2,800
Larimer	6,300	2.70	17,000	1,200	1.25	1,500	7,500	2.45	18,500
Logan	5,500	2.75	15,000	9,200	1.40	13,000	14,700	1.90	28,000
Morgan	600	2.50	1,500	1,000	1.70	1,700	1,600	2.00	3,200
Sedgwick	900	2.80	2,500	500	1.60	800	1,400	2.35	3,300
Weld	11,800	2.75	32,500	5,500	1.35	7,500	17,300	2.30	40,000
Northeast	30,000	2.65	80,000	20,000	1.35	27,000	50,000	2.15	107,000

Other Hay: Acreage and production by county and district, Colorado, 1996, continued

County and District	Irrigated			Non-Irrigated			Total		
	Acreage Harvested	Yield per acre	Production	Acreage Harvested	Yield per acre	Production	Acreage Harvested	Yield per acre	Production
	Acres	Tons	Tons	Acres	Tons	Tons	Acres	Tons	Tons
Adams	900	2.80	2,500	2,700	1.35	3,700	3,600	1.70	6,200
Arapahoe	400	3.00	1,200	3,600	0.95	3,500	4,000	1.20	4,700
Cheyenne	900	2.45	2,200	8,500	1.95	16,500	9,400	2.00	18,700
Denver .....	...	...	...	...	...	...	...	...	...
Douglas	1,100	1.80	2,000	5,400	0.95	5,000	6,500	1.10	7,000
Elbert	1,900	2.75	5,200	12,000	1.15	14,000	13,900	1.40	19,200
El Paso	2,000	2.55	5,100	8,300	1.00	8,400	10,300	1.30	13,500
Kiowa	500	3.60	1,800	7,600	2.50	19,000	8,100	2.55	20,800
Kit Carson ...	2,800	3.65	10,200	10,300	1.80	18,500	13,100	2.20	28,700
Lincoln	1,100	1.80	2,000	10,500	1.25	13,000	11,600	1.30	15,000
Phillips .....	...	...	...	3,600	2.05	7,400	3,600	2.05	7,400
Washington ..	1,500	2.00	3,000	18,000	1.60	29,000	19,500	1.65	32,000
Yuma	1,900	2.55	4,800	4,500	2.20	10,000	6,400	2.30	14,800
East Central	15,000	2.65	40,000	95,000	1.55	148,000	110,000	1.70	188,000
Archuleta	3,000	1.00	3,000	...	...	...	3,000	1.00	3,000
Delta	5,500	2.00	11,000	...	...	...	5,500	2.00	11,000
Dolores .....	...	...	...	...	...	...	...	...	...
Garfield	6,000	1.85	11,000	800	1.15	900	6,800	1.75	11,900
Hinsdale	900	1.10	1,000	...	...	...	900	1.10	1,000
La Plata	8,000	2.25	18,000	500	0.80	400	8,500	2.15	18,400
Mesa	6,000	1.65	10,000	...	...	...	6,000	1.65	10,000
Montezuma ..	4,800	1.90	9,000	700	1.00	700	5,500	1.75	9,700
Montrose	10,000	2.50	25,000	...	...	...	10,000	2.50	25,000
Ouray	6,300	1.90	12,000	...	...	...	6,300	1.90	12,000
San Juan ....	...	...	...	...	...	...	...	...	...
San Miguel ..	2,500	2.00	5,000	...	...	...	2,500	2.00	5,000
Southwest	53,000	2.00	105,000	2,000	1.00	2,000	55,000	1.95	107,000
Alamosa	8,500	1.75	15,000	...	...	...	8,500	1.75	15,000
Conejos	14,000	1.70	24,000	600	1.50	900	14,600	1.70	24,900
Costilla	2,200	1.80	4,000	...	...	...	2,200	1.80	4,000
Mineral .....	...	...	...	...	...	...	...	...	...
Rio Grande ..	9,000	1.90	17,000	700	1.85	1,300	9,700	1.90	18,300
Saguache	24,300	1.45	35,000	700	1.15	800	25,000	1.45	35,800
San Luis Valley	58,000	1.65	95,000	2,000	1.50	3,000	60,000	1.65	98,000
Baca	1,300	3.85	5,000	11,000	2.25	25,000	12,300	2.45	30,000
Bent	2,100	3.55	7,500	...	...	...	2,100	3.55	7,500
Crowley	1,400	2.50	3,500	2,000	1.75	3,500	3,400	2.05	7,000
Custer	14,100	1.85	26,000	1,000	1.50	1,500	15,100	1.80	27,500
Fremont	4,600	1.95	9,000	300	1.65	500	4,900	1.95	9,500
Huerfano	3,500	3.45	12,000	800	2.25	1,800	4,300	3.20	13,800
Las Animas ..	8,100	2.45	20,000	6,400	1.80	11,600	14,500	2.20	31,600
Otero	2,200	3.20	7,000	...	...	...	2,200	3.20	7,000
Prowers	4,100	3.65	15,000	3,000	2.50	7,500	7,100	3.15	22,500
Pueblo	2,600	3.45	9,000	1,500	1.75	2,600	4,100	2.85	11,600
Southeast	44,000	2.60	114,000	26,000	2.10	54,000	70,000	2.40	168,000
State Total	410,000	1.90	780,000	170,000	1.55	264,000	580,000	1.80	1,044,000

Wheat and Barley: On-farm, off-farm and total stocks, Colorado, 1985-97 1/

Year/Month	All Wheat			Barley		
	On-farm	Off-farm	Total	On-farm	Off-farm	Total
1,000 Bushels						
1985 January 1	52,909	33,300	86,209	10,075	6,035	16,110
April 1	42,557	27,235	69,792	5,239	2,025	7,264
June 1	31,055	22,570	53,625	2,821	4,520	7,341
October 1	94,725	47,700	142,425	16,973	6,610	23,583
1986 January 1	57,114	39,000	96,114	8,704	7,550	16,254
April 1	45,970	36,760	82,730	2/	2/	2/
June 1	33,432	29,660	63,092	3,046	5,465	8,511
September 1	83,919	53,640	137,559	2/	2/	2/
December 1	54,000	48,400	102,400	2/	2/	2/
1987 March 1	38,500	42,100	80,600	2/	2/	2/
June 1	28,000	35,465	63,465	2,800	4,100	6,900
September 1	65,000	58,300	123,300	2/	2/	2/
December 1	52,500	50,100	102,600	2/	2/	2/
1988 March 1	36,000	41,800	77,800	2/	2/	2/
June 1	22,000	24,500	46,500	2,800	5,200	8,000
September 1	50,000	47,900	97,900	6,000	6,100	12,100
December 1	40,000	35,200	75,200	5,500	7,750	13,250
1989 March 1	29,000	24,915	53,915	2,700	6,805	9,505
June 1	19,000	12,565	31,565	1,200	3,872	5,072
September 1	40,000	35,275	75,275	6,000	4,280	10,280
December 1	34,000	25,300	59,300	2,600	6,090	8,690
1990 March 1	17,000	20,275	37,275	1,700	5,690	7,390
June 1	10,000	10,000	20,000	310	3,615	3,925
September 1	42,000	38,335	80,335	6,800	2,810	9,610
December 1	31,500	34,015	65,515	3,400	5,405	8,805
1991 March 1	21,000	26,920	47,920	1,200	5,140	6,340
June 1	11,000	14,925	25,925	1,000	4,040	5,040
September 1	39,000	42,230	81,230	6,000	5,470	11,470
December 1	25,000	26,840	51,840	3,700	7,600	11,300
1992 March 1	10,500	21,380	31,880	1,500	7,875	9,375
June 1	5,000	11,250	16,250	350	6,535	6,885
September 1	30,000	41,000	71,000	4,800	6,845	11,645
December 1	18,500	29,690	48,190	2,000	7,485	9,485
1993 March 1	9,500	21,855	31,355	1,050	6,090	7,140
June 1	5,500	9,690	15,190	650	5,930	6,580
September 1	34,000	45,000	79,000	5,000	5,850	10,850
December 1	30,000	31,500	61,500	2,600	6,255	8,855
1994 March 1	13,000	23,440	36,440	925	5,060	5,985
June 1	5,000	11,500	16,500	250	4,530	4,780
September 1	36,000	32,500	68,500	3,000	5,820	8,820
December 1	20,000	27,400	47,400	2,200	6,180	8,380
1995 March 1	9,000	21,350	30,350	800	5,285	6,085
June 1	5,000	10,950	15,950	325	3,380	3,705
September 1	30,000	46,150	76,150	6,000	4,420	10,420
December 1	17,000	30,090	47,090	1,300	4,365	5,665
1996 March 1	6,500	21,550	28,050	325	5,920	6,245
June 1	2,500	11,700	14,200	50	4,420	4,470
September 1	33,000	30,935	63,935	5,200	5,025	10,225
December 1	19,000	21,140	40,140	1,700	8,145	9,845
1997 March 1	8,000	16,800	24,800	510	6,470	6,980

1/ Change in reference dates beginning September 1986.

2/ Quarterly estimates discontinued April 1986; resumed September 1988.

Corn and Sorghum: On-farm, off-farm and total stocks, Colorado, 1985-97 1/

Year/Month		Corn			Sorghum		
		On-farm	Off-farm	Total	On-farm	Off-farm	Total
1,000 Bushels							
1985	January 1	48,294	16,570	64,864	7,160	6,030	13,190
	April 1	30,981	10,540	41,521	3,182	4,135	7,317
	June 1	14,579	6,590	21,169	1,750	2,490	4,240
	October 1	3,645	3,940	7,585	796	2,745	3,541
1986	January 1	56,955	19,960	76,915	5,152	3,965	9,117
	April 1	39,351	14,105	53,456	2/	2/	2/
	June 1	25,889	11,420	37,309	2,240	2,315	4,555
	September 1	18,640	10,625	29,265	1,568	3,460	5,028
	December 1	80,000	28,200	108,200	2/	2/	2/
1987	March 1	58,000	23,240	81,240	2/	2/	2/
	June 1	32,000	17,685	49,685	1,600	3,360	4,960
	September 1	25,000	20,500	45,500	1,500	2,725	4,225
	December 1	87,000	42,100	129,100	2/	2/	2/
1988	March 1	60,000	28,700	88,700	2/	2/	2/
	June 1	23,000	22,560	45,560	1,000	4,400	5,400
	September 1	12,000	16,650	28,650	850	4,150	5,000
	December 1	70,000	37,175	107,175	2/	2/	2/
1989	March 1	45,000	25,365	70,365	2/	2/	2/
	June 1	21,000	15,135	36,135	1,800	2,376	4,176
	September 1	11,000	8,760	19,760	1,000	2,110	3,110
	December 1	60,000	26,355	86,355	2/	2/	2/
1990	March 1	35,000	15,240	50,240	1,300	2,690	3,990
	June 1	16,000	6,875	22,875	900	1,805	2,705
	September 1	10,000	2,450	12,450	500	1,480	1,980
	December 1	45,000	22,755	67,755	2,000	3,240	5,240
1991	March 1	30,000	13,060	43,060	1,200	1,960	3,160
	June 1	18,000	8,800	26,800	400	995	1,395
	September 1	8,500	3,325	11,825	150	540	690
	December 1	64,000	28,140	92,140	2,800	3,830	6,630
1992	March 1	38,000	18,670	56,670	1,100	1,028	2,128
	June 1	15,000	11,575	26,575	500	993	1,493
	September 1	6,500	2,835	9,335	150	260	410
	December 1	54,000	24,685	78,685	1,400	1,840	3,240
1993	March 1	40,000	18,970	58,970	900	1,260	2,160
	June 1	20,000	12,375	32,375	550	757	1,307
	September 1	9,000	4,670	13,670	300	735	1,035
	December 1	40,000	18,640	58,640	1,600	2,450	4,050
1994	March 1	32,000	14,500	46,500	1,400	2,150	3,550
	June 1	15,000	7,275	22,275	900	1,030	1,930
	September 1	3,700	2,260	5,960	170	180	350
	December 1	50,000	30,600	80,600	1,700	2,750	4,450
1995	March 1	33,000	20,880	53,880	1,100	2,170	3,270
	June 1	13,000	10,930	23,930	350	1,370	1,720
	September 1	7,500	2,980	10,480	100	850	950
	December 1	38,000	21,355	59,355	900	1,590	2,490
1996	March 1	19,000	13,850	32,850	600	750	1,350
	June 1	6,000	5,700	11,700	600	345	945
	September 1	2,500	1,360	3,860	60	65	125
	December 1	50,000	28,445	78,445	3,500	3,415	6,915
1997	March 1	32,000	18,500	50,500	1,300	1,400	2,700

1/ Change in reference dates beginning September 1986.

2/ Quarterly estimates discontinued April 1986; resumed March 1990.

**Oats: On-farm, off-farm and total stocks,
Colorado, 1988-97 1/**

Year/Month		On farm	Off farm	Total
		1,000 Bushels		
1988	June 1	*	**	*
1989	June 1	*	288	*
1990	March 1	*	195	*
	June 1	*	155	*
	September 1	*	455	*
	December 1	*	160	*
1991	March 1	*	155	*
	June 1	*	120	*
	September 1	*	182	*
	December 1	*	220	*
1992	March 1	*	169	*
	June 1	*	124	*
	September 1	*	210	*
	December 1	*	235	*
1993	March 1	*	167	*
	June 1	*	155	*
	September 1	*	185	*
	December 1	*	136	*
1994	March 1	*	133	*
	June 1	*	88	*
	September 1	*	110	*
	December 1	*	145	*
1995	March 1	*	198	*
	June 1	*	125	*
	September 1	*	125	*
	December 1	*	155	*
1996	March 1	*	135	*
	June 1	*	100	*
	September 1	*	200	*
	December 1	*	90	*
1997	March 1	*	82	*

1/ Quarterly estimates discontinued April 1986; resumed March 1990.

* Minor states not published separately for on-farm stocks beginning June 1986.

** Not published to avoid disclosure of individual operations.

**All Hay: Production and stocks on farms,
Colorado, 1971-96**

Year	Production	January 1 1/ 2/		May 1 1/	
		Stocks	% of Prod.	Stocks	% of Prod.
	1,000 Tons	1,000 Tons	Percent	1,000 Tons	Percent
1971 ...	2,995	2,186	73	449	15
1972 ...	2,984	1,880	63	388	13
1973 ...	3,278	2,098	64	492	15
1974 ...	2,866	1,892	66	373	13
1975 ...	2,972	1,843	62	476	16
1976 ...	3,126	1,907	61	531	17
1977 ...	2,890	1,850	64	578	20
1978 ...	3,228	2,034	63	484	15
1979 ...	3,574	2,359	66	715	20
1980 ...	3,276	2,129	65	590	18
1981 ...	3,105	2,018	65	652	21
1982 ...	3,176	2,001	63	508	16
1983 ...	3,357	2,048	61	436	13
1984 ...	3,311	1,953	59	563	17
1985 ...	3,644	2,186	60	765	21
1986 ...	3,642	2,659	73	728	20
1987 ...	4,044	3,033	75	809	20
1988 ...	3,957	2,374	60	435	11
1989 ...	3,450	1,898	55	587	17
1990 ...	3,805	2,207	58	457	12
1991 ...	4,062	2,437	60	528	13
1992 ...	4,189	2,575	61	396	9
1993 ...	4,193	2,430	58	294	7
1994 ...	4,060	2,030	50	447	11
1995 ...	3,978	2,390	60	636	16
1996 ...	4,054	1,945	48	203	5

1/ Following year of production.

2/ Data as of December 1 beginning 1986.

On-farm and off-farm storage capacity, Colorado and United States, 1983-96

Year		Colorado			United States		
		On-farm storage capacity	Off-farm storage		On-farm storage capacity	Off-farm storage	
			Number of facilities	Capacity		Number of facilities	Capacity
		Mil. Bu.	Number	1,000 Bu.	Mil. Bu.	Number	1,000 Bu.
January 1:	1983 .....	...	205	107,700	...	14,706	7,900,030
	1984 .....	...	211	113,400	...	14,195	8,109,090
	1985 .....	...	203	111,350	...	13,921	8,113,670
	1986 .....	...	204	114,430	...	14,063	8,287,140
December 1:	1986 .....	...	204	130,850	...	14,046	9,123,280
	1987	240	220	142,860	13,640	13,889	9,610,590
	1988	230	217	145,220	13,300	13,802	9,606,050
	1989	220	174	132,390	12,800	13,517	9,384,430
	1990	210	167	131,030	12,400	13,214	9,089,300
	1991	220	165	114,930	12,170	12,825	8,911,220
	1992	190	159	115,370	12,090	12,428	8,664,970
	1993	190	161	115,650	11,625	11,866	8,486,500
	1994	170	139	114,700	11,500	11,450	8,374,110
	1995	170	136	114,060	11,165	11,125	8,301,060
	1996	160	134	117,660	10,940	10,717	8,085,290

Barley: Acreage planted by variety, by district, Colorado, 1995-96

Variety	Northwest		Northeast		East Central		Southwest		San Luis Valley		Southeast		State	
	% of Total	Acres	% of Total	Acres	% of Total	Acres	% of Total	Acres	% of Total	Acres	% of Total	Acres	% of Total	Acres
1995														
AC-14*	.0	0	47.5	12,100	.0	0	.0	0	46.6	33,100	.0	0	41.1	45,200
Otis	8.6	300	21.6	5,500	23.7	900	5.0	100	.0	0	14.3	600	6.7	7,400
Steptoe	91.4	3,200	13.7	3,500	.0	0	15.0	300	.8	600	2.4	100	7.0	7,700
Schuyler	.0	0	2.4	600	36.8	1,400	55.0	1,100	.0	0	50.0	2,100	4.7	5,200
Triumph*	.0	0	1.2	300	.0	0	.0	0	12.5	8,900	.0	0	8.4	9,200
Moravian III*	.0	0	.0	0	.0	0	.0	0	11.7	8,300	.0	0	7.5	8,300
Camarque*	.0	0	.0	0	.0	0	.0	0	10.0	7,100	.0	0	6.5	7,100
Morex*	.0	0	3.5	900	.0	0	.0	0	8.3	5,900	.0	0	6.2	6,800
Westbred 501	.0	0	.0	0	.0	0	15.0	300	5.1	3,600	.0	0	3.5	3,900
Will*	.0	0	1.6	400	21.1	800	.0	0	.0	0	21.4	900	1.9	2,100
Busch Varieties*	.0	0	.0	0	.0	0	10.0	200	2.0	1,400	.0	0	1.5	1,600
Other Malting 1/	.0	0	1.6	400	.0	0	.0	0	1.1	800	.0	0	1.1	1,200
Others 1/	.0	0	7.1	1,800	18.4	700	.0	0	1.8	1,300	11.9	500	3.9	4,300
All Barley	100.0	3,500	100.0	25,500	100.0	3,800	100.0	2,000	100.0	71,000	100.0	4,200	100.0	110,000
1996														
Moravian 14*	0.0	0	59.2	14,100	0.0	0	33.3	900	66.2	40,400	0.0	0	55.4	55,400
Otis	0.0	0	26.1	6,200	91.2	3,100	11.1	300	0.0	0	0.0	0	9.6	9,600
Triumph*	0.0	0	0.0	0	0.0	0	0.0	0	12.1	7,400	0.0	0	7.4	7,400
Steptoe	71.0	2,200	1.7	400	0.0	0	40.7	1,100	0.0	0	3.3	200	3.9	3,900
Camarque*	0.0	0	1.3	300	0.0	0	0.0	0	5.7	3,500	0.0	0	3.8	3,800
Schuyler	0.0	0	0.0	0	5.9	200	3.7	100	0.0	0	48.3	2,900	3.2	3,200
Galena*	0.0	0	10.9	2,600	0.0	0	0.0	0	0.0	0	0.0	0	2.6	2,600
Will	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	38.3	2,300	2.3	2,300
Westbred 501	0.0	0	0.0	0	0.0	0	0.0	0	3.3	2,000	0.0	0	2.0	2,000
Klages*	0.0	0	0.0	0	0.0	0	0.0	0	3.3	2,000	0.0	0	2.0	2,000
Alexis*	0.0	0	0.0	0	0.0	0	0.0	0	2.1	1,300	0.0	0	1.3	1,300
Baroness	12.9	400	0.0	0	0.0	0	0.0	0	0.0	0	5.0	300	.7	700
Stander*	0.0	0	0.0	0	0.0	0	0.0	0	1.0	600	0.0	0	.6	600
Other malting 1/	0.0	0	0.8	200	0.0	0	0.0	0	4.6	2,800	0.0	0	3.0	3,000
Other 1/	16.1	500	0.0	0	2.9	100	11.1	300	1.6	1,000	5.0	300	2.2	2,200
All Barley	100.0	3,100	100.0	23,800	100.0	3,400	100.0	2,700	100.0	61,000	100.0	6,000	100.0	100,000

* Indicates malt variety.

1/ Includes unknown varieties.

Winter Wheat: Percent Planted by Variety, Colorado, 1991-97 1/

Variety	1991 Crop	1992 Crop	1993 Crop	1994 Crop	1995 Crop	1996 Crop	1997 Crop
Percent							
Tam 107	49.3	49.7	51.5	60.8	63.3	56.9	55.1
Lamar	2.6	5.7	7.2	5.5	5.5	7.4	8.0
Yuma	----	----	0.8	2.1	2.7	5.3	6.0
Akron	----	----	----	----	----	0.3	3.1
Longhorn	----	----	----	----	1.2	2.0	2.3
Tomahawk	----	----	----	1.5	1.3	2.6	2.2
Scout 2/	6.2	5.7	6.0	4.3	3.9	3.3	2.1
Baca	8.0	7.9	4.8	3.9	4.7	2.9	1.7
Tam 200	2.8	2.7	2.8	2.3	2.1	2.0	1.6
Laredo	----	----	----	0.4	0.7	1.2	1.4
Ike	----	----	----	----	0.3	0.6	1.2
Hawk	6.9	4.8	3.9	2.3	1.4	1.7	1.1
Arapahoe	----	----	0.8	1.3	0.9	1.2	1.0
Fairview	----	----	----	----	0.6	1.1	1.0
Vona	2.6	2.2	2.5	1.7	1.2	1.0	1.0
Halt	----	----	----	----	----	----	0.8
Vista	----	----	----	0.1	0.3	0.5	0.8
Other 3/	21.6	21.3	19.7	13.8	9.9	10.0	9.6

1/ Dashes indicate either none or minor amount reported.

2/ Includes Scout 66.

3/ Includes unknown, minor, and older varieties that have become less popular.

Winter Wheat: Percent planted by variety, by district and selected counties, Colorado, 1997 crop 1/

Northwest and Southwest Districts, Colorado, 1997 Crop

District/County	Blizzard	Fairview	Jeff	Mesa	Stevens	Weston	Other	Total
	Percent							
Northwest 1997	7.8	----	3.8	----	----	38.7	49.7	100.0
Moffat	----	----	27.0	----	----	67.7	5.3	100.0
Rio Blanco	----	----	----	----	----	100.0	----	100.0
Routt	11.9	----	----	----	----	13.7	74.4	100.0
Southwest 1997	----	70.0	8.4	3.0	11.8	----	6.8	100.0
Dolores	----	87.5	6.8	----	----	----	5.7	100.0
La Plata	----	87.5	----	----	----	----	12.5	100.0
Mesa	----	----	----	26.0	63.5	----	10.5	100.0
Montezuma	----	98.0	----	----	----	----	2.0	100.0

Northeast District, Colorado, 1997 Crop

District/County	Baca	Buckskin	Hawk	Lamar	Scout	Tam 107	Other	Total
	Percent							
Northeast 1997	2.2	2.1	3.0	17.0	3.2	34.0	38.5	100.0
Boulder	2.6	----	29.1	----	5.3	13.7	49.3	100.0
Larimer	----	----	1.6	----	----	83.1	15.3	100.0
Logan	1.2	----	3.9	25.8	1.6	24.9	42.6	100.0
Morgan	1.8	----	4.2	11.5	5.9	36.9	39.7	100.0
Sedgwick	----	----	----	8.2	.3	35.8	55.7	100.0
Weld	4.3	6.2	1.6	18.5	4.8	36.4	28.2	100.0

East Central District, Colorado, 1997 Crop

District/County	Akron	Hawk	Lamar	Scout	Tam 107	Yuma	Other	Total
	Percent							
East Central 1997	3.0	.8	5.3	1.9	61.1	6.0	21.9	100.0
Adams	.8	1.0	5.4	----	55.8	12.3	24.7	100.0
Arapahoe	3.5	.4	5.5	----	86.1	2.6	1.9	100.0
Cheyenne	1.2	----	13.4	1.8	61.1	3.4	19.1	100.0
Douglas	----	----	----	13.0	65.7	----	21.3	100.0
Elbert	16.2	----	6.0	.6	53.2	8.8	15.2	100.0
El Paso	----	----	8.0	2.0	42.4	----	47.6	100.0
Kiowa	6.2	----	7.2	4.2	72.0	----	10.4	100.0
Kit Carson	1.9	1.2	1.0	.6	68.3	1.5	25.5	100.0
Lincoln	2.1	----	6.1	.9	51.6	15.1	24.2	100.0
Phillips	3.2	----	6.2	3.4	59.0	3.2	25.0	100.0
Washington	4.0	1.4	1.3	2.5	56.1	8.8	25.9	100.0
Yuma	1.3	2.5	5.3	2.6	47.6	8.8	31.9	100.0

Southeast District, Colorado, 1997 Crop

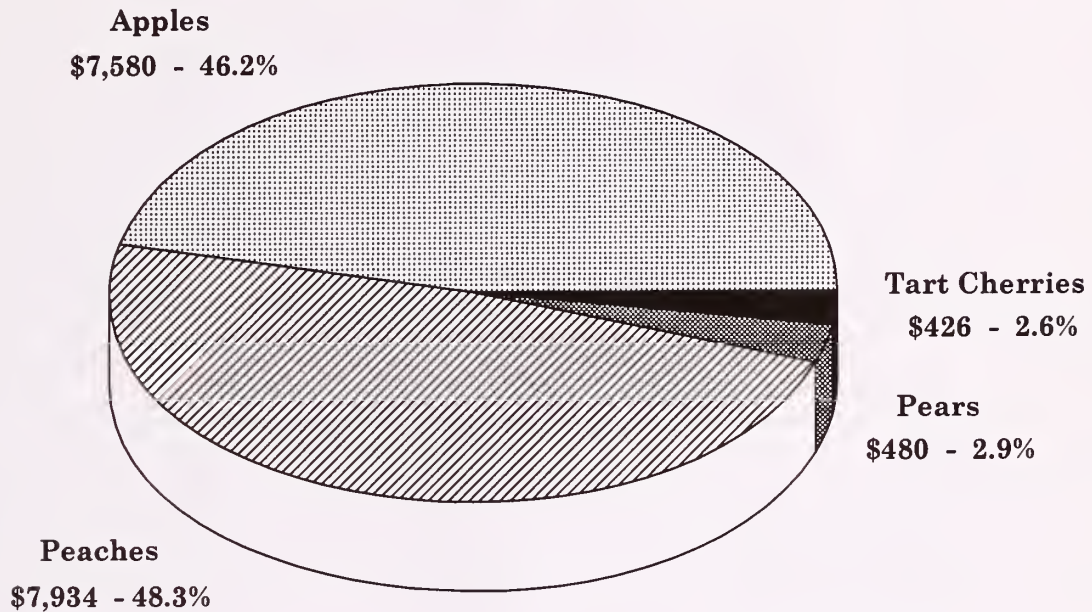
District/County	Akron	Baca	Lamar	Sandy	Scout	Tam 107	Other	Total
	Percent							
Southeast 1997	4.2	5.4	9.7	1.6	1.7	62.9	14.5	100.0
Baca	3.4	5.9	10.3	3.1	3.2	56.1	18.0	100.0
Bent	----	----	3.7	----	----	63.5	32.8	100.0
Crowley	----	----	----	7.1	----	7.1	85.8	100.0
Las Animas	----	20.9	----	----	----	70.7	8.4	100.0
Otero	----	----	----	----	----	52.4	47.6	100.0
Prowers	5.6	5.0	9.6	----	.3	71.1	8.4	100.0
Pueblo	----	----	----	----	----	----	100.0	100.0

1/ Dashes indicate either none or minor amount reported, Scout includes Scout 66.

Colorado Fruit Crops - 1996

Value of Production & % of Total

(Value in \$1,000)



FRUIT CROPS - 1996

Frost and hail once again reduced the production potential of the 1996 fruit crop in Colorado. Producers had a lower production than the 1995 crop for each crop except peaches. Total production of the state's four major fruit crops in 1996 was 55.4 million pounds, down 30 percent from the 79.0 million pounds produced in 1995. The total value of the utilized production from the 1996 crops was \$16.4 million, down just 2 percent from \$16.7 million a year earlier as a higher value per unit was received for each fruit except peaches which were the same as a year earlier.

Apple growers suffered the worst damage as the 35.0 million pounds produced in 1996 was 36 percent below the 1995 crop of 55.0 million pounds. The average price received for all grades was 22.3 cents per pound compared with 14.5 cents per pound in 1995. The total value of the 1996 crop, at \$7.6 million, was 3 percent higher than the \$7.4 million received for the 1995 crop. Apples represented 46 percent of the total value from the four fruit crops.

Peach production for 1996, at 17.0 million pounds, was at the same level of output as the previous year. Utilized production was 16.0 million pounds, also the same level as the 1995 crop. The per unit price received for the 1996 crop, at 49.6 cents per pound, was also the

same as a year earlier. The total value of the utilized crop in 1996 was \$7.9 million, just slightly higher than the previous year. The value of the peach production represented 48 percent of the total value from the four fruit crops. It is rare for the value of the peach crop to exceed the value of the usually much larger apple crop.

Pear production in 1996 dropped 59 percent from the previous year to 1,200 tons. Growers received an average price of \$436 per ton for the latest crop compared with \$357 per ton for the 1995 output. The total value of the utilized production was \$480 thousand for the 1996 crop, down 52 percent from the \$1.0 million realized from the 1995 crop. The higher price received was not enough to offset the much smaller crop produced. Pears represented 3 percent of the total value received from the four fruit crops.

Tart cherry production totaled 1.0 million pounds in 1996, down 17 percent from 1.2 million pounds produced in 1995. The utilized quantity of 900 thousand pounds was only 10 percent lower than the utilized amount from the 1995 crop. The per unit price received for the 1996 crop, at 47.3 cents per pound, was up from 41.4 cents received for the 1995 crop. The total value of the utilized production, at \$426,000, was 3 percent above the \$414,000 received for the 1995 crop.

Fruits: Production, price and value, Colorado, 1985-96

Year	Production		Price per unit	Value of utilized production
	Total <u>1/</u>	Utilized		
Apples	Million Pounds		Cents	1,000 Dollars
1985	110.0	110.0	9.50	10,504
1986	18.0	17.6	9.70	1,706
1987	125.0	118.0	6.70	7,948
1988	65.0	65.0	11.00	7,160
1989	70.0	68.0	9.60	6,548
1990	35.0	33.0	14.70	4,838
1991	75.0	70.0	15.60	10,904
1992	90.0	88.0	14.50	12,768
1993	92.0	90.0	14.70	13,229
1994	85.0	83.0	15.70	13,007
1995	55.0	51.0	14.50	7,375
1996	35.0	34.0	22.30	7,580
Peaches	Million Pounds		Cents	1,000 Dollars
1985	15.0	15.0	26.00	3,900
1986	6.7	6.7	31.00	2,077
1987	19.0	17.0	22.40	3,814
1988	16.0	15.5	26.90	4,175
1989	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>
1990	17.0	16.0	35.60	5,696
1991	2.0	1.7	38.00	646
1992	18.0	15.5	33.30	5,165
1993	18.0	17.0	31.10	5,287
1994	20.0	18.0	31.90	5,742
1995	17.0	16.0	49.60	7,932
1996	17.0	16.0	49.60	7,934
Pears	Tons		Dollars	1,000 Dollars
1985	6,000	5,900	219.00	1,294
1986	1,750	1,750	280.00	490
1987	8,000	6,400	199.00	1,274
1988	3,800	3,700	251.00	928
1989	4,000	4,000	337.00	1,348
1990	2,500	2,500	336.00	841
1991	3,100	3,100	298.00	925
1992	4,000	4,000	284.00	1,137
1993	5,000	4,800	348.00	1,670
1994	4,200	4,100	268.00	1,097
1995	2,900	2,800	357.00	1,000
1996	1,200	1,100	436.00	480
Tart Cherries	Million Pounds		Cents	1,000 Dollars
1985	1.7	1.7	22.90	390
1986 .....	.9	.9	39.90	359
1987	2.5	.8	10.10	81
1988	1.3	.8	25.10	201
1989 .....	.5	.4	12.50	50
1990	1.0	.9	20.70	186
1991	1.6	1.6	41.40	663
1992	1.5	1.5	36.50	547
1993	1.6	.9	24.90	224
1994	1.5	1.1	35.50	390
1995	1.2	1.0	41.40	414
1996	1.0	.9	47.30	426

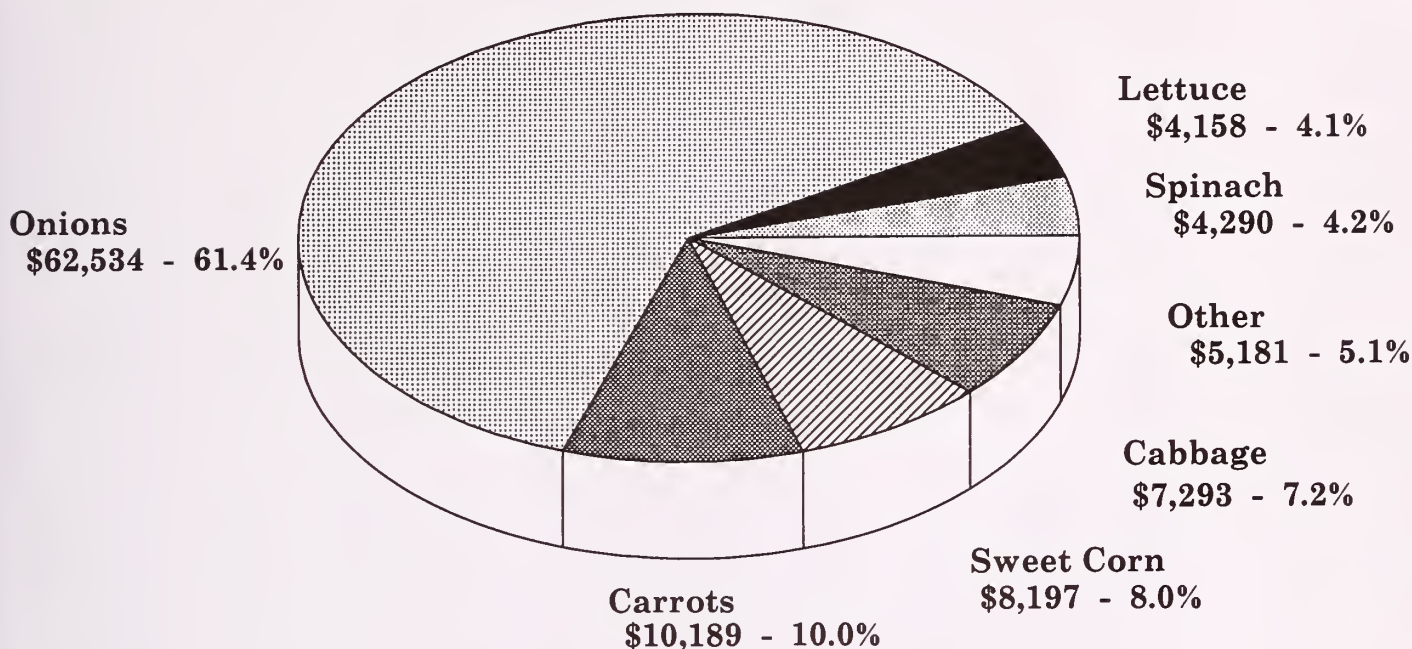
1/ In certain years, production includes some quantities not harvested because of economic conditions which are excluded in computing values.

2/ No significant commercial production or value in 1989 due to frost.

Colorado Vegetable Crops - 1996

Value of Production & % of Total

(Value in \$1,000)



VEGETABLE CROPS - 1996

Vegetable producers in Colorado harvested 10.0 million cwt of fresh market and processing crops during 1996 which had a total value of \$101.8 million, just slightly below the \$102.2 million received for the 10.6 million cwt of vegetables produced in 1995. Acreage was higher than the previous year for cabbage, cantaloupe, sweet corn, and tomatoes. Acreage and production estimates are prepared for only nine vegetable crops. Numerous other vegetable crops are produced in the state but are not surveyed for acreage and production data.

Production of **dry storage onions** in 1996 totaled 5.53 million cwt, down 10 percent from the previous year. The harvested area declined 4 percent to 17,000 acres and the average yield of 325 cwt per acre was 6 percent below the 1995 average. The quantity of onions expected to be marketed had an estimated value of \$62.5 million compared with \$54.3 million from the 1995 crop. Onions represented 55 percent of the total production and 61 percent of the total value from the nine crops.

Carrot production was the second leading vegetable crop in terms of both production and value. Production declined 16 percent from the previous year, to 1.4 million cwt, wholly the result of lower yields. The total value of the 1996 crop, at \$10.2 million, was 56 percent below a year earlier as prices were down sharply from the previous year. Carrots represented 10 percent of the total value and 14 percent of the total production.

Sweet corn was the third leading vegetable crop, accounting for 8 percent of the total value and 9 percent of the total production. Harvested acreage was up 20 percent, per acre yields were up 10 percent, and prices were up 7 percent.

Cabbage ranked fourth in both production and value. Value of production, at \$7.3 million, was more than double a year earlier as a result of higher production and prices. **Spinach** ranked fifth in terms of value and seventh in production. Compared with a year earlier, spinach production was down 26 percent to 150,000 cwt and value was down 15 percent to \$4,290 million.

Lettuce was the sixth highest value vegetable crop produced in the state and the fifth largest in production. Production was down 31 percent from a year earlier to 594,000 cwt and value was down 37 percent to \$4.16 million. **Cantaloupe** production totaled 340,000 cwt from 1,700 acres harvested and had a total value of \$3,672,000. **Cucumbers for pickles** production in 1996 was 7,200 tons, down 3 percent from 1995. Value of the 1996 crop, at \$1.08 million, was 13 percent above the previous year.

Processing tomatoes had a value of \$429,000 in 1996. This was more than double the \$202,000 crop produced in 1995. Production was also more than twice as high as the 1995 crop, largely the result of much higher yields.

Vegetables: Acreage, production and value, Colorado, 1988-96

Year	Acreage planted	Acreage harvested	Yield per acre	Production	Value per unit	Total value
Cabbage ^{1/}						
	Acres	Acres	Cwt	1,000 Cwt	Dollars	1,000 Dollars
1988 .....	...	...	...	...	...	...
1989 .....	...	...	...	...	...	...
1990 .....	...	...	...	...	...	...
1991 .....	...	...	...	...	...	...
1992	1,300	1,200	330	396	5.90	2,336
1993	1,600	1,400	390	546	8.90	4,859
1994	1,800	1,700	480	816	7.80	6,365
1995	2,100	1,900	300	570	6.20	3,534
1996	2,300	2,200	390	858	8.50	7,293
Cantaloupe ^{1/}						
	Acres	Acres	Cwt	1,000 Cwt	Dollars	1,000 Dollars
1988 .....	...	...	...	...	...	...
1989 .....	...	...	...	...	...	...
1990 .....	...	...	...	...	...	...
1991 .....	...	...	...	...	...	...
1992	1,300	1,200	90	108	10.00	1,080
1993	1,700	1,600	150	240	9.70	2,328
1994	2,000	1,800	180	324	12.80	4,147
1995	2,000	1,800	120	216	12.30	2,657
1996	2,000	1,700	200	340	10.80	3,672
Carrots						
	Acres	Acres	Cwt	1,000 Cwt	Dollars	1,000 Dollars
1988	1,400	1,400	360	504	8.40	4,234
1989	1,400	1,400	380	532	8.35	4,442
1990	1,500	1,300	345	449	7.60	3,412
1991	2,000	1,600	375	600	8.00	4,800
1992	2,700	2,600	365	949	10.60	10,059
1993	3,300	2,800	380	1,064	8.60	9,150
1994	3,500	3,100	380	1,178	10.00	11,780
1995	4,000	3,600	475	1,710	13.50	23,085
1996	4,300	4,100	350	1,435	7.10	10,189
Cucumbers for Pickles						
	Acres	Acres	Tons	Tons	Dollars	1,000 Dollars
1988	1,600	1,500	10.85	16,280	123.00	2,002
1989	1,400	1,300	8.12	10,560	140.00	1,478
1990	700	700	11.34	7,940	137.00	1,088
1991	970	850	7.80	6,630	113.00	749
1992	1,500	1,400	4.84	6,780	168.00	1,139
1993	1,000	1,000	9.57	9,570	210.00	2,010
1994	900	800	10.80	8,640	200.00	1,728
1995	950	920	8.05	7,410	129.00	956
1996	900	900	8.00	7,200	150.00	1,080
Lettuce						
	Acres	Acres	Cwt	1,000 Cwt	Dollars	1,000 Dollars
1988	3,300	2,300	280	644	10.70	6,891
1989	2,600	2,600	280	728	13.10	9,537
1990	3,500	3,400	300	1,020	12.40	12,648
1991	4,800	4,700	220	1,034	6.42	6,638
1992	3,600	3,400	300	1,020	15.80	16,116
1993	3,700	3,600	290	1,044	10.80	11,275
1994	3,600	2,800	280	784	8.89	6,970
1995	4,100	3,300	260	858	7.65	6,564
1996	2,900	2,700	220	594	7.00	4,158

^{1/} Estimates reinstated with the 1992 crop.

Vegetables: Acreage, production and value, Colorado, 1988-96

Year	Acreage planted	Acreage harvested	Yield per acre	Production	Value per unit	Total value
Spinach ^{1/}						
	Acres	Acres	Cwt	1,000 Cwt	Dollars	1,000 Dollars
1988	...	...	...	...	...	...
1989	...	...	...	...	...	...
1990	...	...	...	...	...	...
1991	...	...	...	...	...	...
1992	3,300	2,600	100	260	26.10	6,786
1993	3,600	3,500	100	350	29.10	10,185
1994	3,600	3,400	85	289	30.00	8,670
1995	3,000	2,700	75	203	25.00	5,075
1996	2,800	2,500	60	150	28.60	4,290
Sweet Corn for Fresh Market						
	Acres	Acres	Cwt	1,000 Cwt	Dollars	1,000 Dollars
1988	3,700	3,600	140	504	9.40	4,738
1989	3,300	3,000	145	435	12.40	5,394
1990	3,500	3,300	165	545	12.60	6,867
1991	3,300	3,100	160	496	11.00	5,456
1992	4,100	3,900	190	741	6.30	4,668
1993	4,500	4,300	160	688	10.50	7,224
1994	5,000	4,800	140	672	10.80	7,258
1995	5,000	4,500	150	675	8.60	5,805
1996	5,500	5,400	165	891	9.20	8,197
Tomatoes for Processing						
	Acres	Acres	Tons	Tons	Dollars	1,000 Dollars
1988	700	680	18.15	12,340	72.70	897
1989	220	190	19.00	3,610	95.00	343
1990	200	150	15.93	2,390	98.00	234
1991	210	200	15.00	3,000	100.00	300
1992	160	130	10.00	1,300	90.00	117
1993	200	170	11.18	1,900	100.00	190
1994	200	190	16.84	3,200	110.00	352
1995	220	180	10.22	1,840	110.00	202
1996	220	220	17.72	3,900	110.00	429

^{1/} Estimates reinstated with the 1992 crop.

Onions: Acreage, production and value, Colorado, 1981-96

Year	Acreage planted	Acreage harvested	Yield per acre	Production	Loss	Sales	Value per cwt	Total value
	Acres	Acres	Cwt	1,000 Cwt	1,000 Cwt	Dollars	1,000 Dollars	
1981	9,200	9,000	325	2,925	450	2,475	15.70	38,858
1982	10,000	9,300	350	3,255	810	2,445	8.66	21,174
1983	11,600	10,400	330	3,432	755	2,677	14.60	39,084
1984	12,800	12,200	380	4,636	923	3,713	12.80	47,526
1985	13,100	12,600	425	5,355	1,875	3,480	8.95	31,146
1986	11,800	10,800	425	4,590	840	3,750	13.00	48,750
1987	13,300	12,500	375	4,688	775	3,913	11.50	45,000
1988	13,800	13,500	410	5,535	996	4,539	12.30	55,830
1989	14,000	13,800	400	5,520	994	4,526	12.90	58,385
1990	13,800	13,500	380	5,130	1,280	3,850	11.10	42,735
1991	13,500	12,700	390	4,953	743	4,210	12.40	52,204
1992	14,500	14,000	390	5,460	1,530	3,930	14.70	57,771
1993	16,000	15,500	370	5,735	1,035	4,700	21.70	101,990
1994	18,000	17,500	350	6,125	1,040	5,085	13.20	67,122
1995	19,000	17,800	345	6,141	1,290	4,851	11.20	54,331
1996	19,000	17,000	325	5,525	1,271	4,254	14.70	62,534

Floriculture: Production, sales, and value for operations with \$100,000 + sales, Colorado, 1995 ^{1/}

Kind	Number of producers	Plants grown	Production area	Sales			Wholesale price ^{2/}	Value of sales at wholesale
				Unit	Number sold	Percent of sales at wholesale		
	Number	1,000	1,000 Sq. Ft.	1,000	1,000	Percent	Dollars	1,000 Dollars
Cut Flowers .....	...	...	...	...	...	...	...	16,782
Carnations .....	...	1,942	817	...	16,479	...	.272	4,488
Standard	18	1,436	625	Blooms	15,935	100	.224	3,569
Miniature	16	506	192	Bunches	544	97	1.690	919
Roses, Hybrid Tea	16	984	1,807	Blooms	25,981	99	.334	8,678
Others .....	...	...	...	...	...	...	...	3,616
Potted Flowering Plants .....	...	...	...	...	...	...	...	10,086
African Violets	9	...	33	Pots	86	98	2.270	195
Chrysanthemums	9	...	281	Pots	244	99	3.260	795
Cyclamens	21	...	71	Pots	137	97	3.110	426
Finished Florist Azaleas ...	11	...	48	Pots	32	92	8.030	257
Potted Kalanchoes	8	...	42	Pots	56	99	3.800	213
Easter Lilies	15	...	188	Pots	289	99	4.570	1,321
Other Lilies	6	...	8	Pots	8	73	5.570	45
Poinsettias	36	...	2,024	Pots	1,160	96	4.540	5,265
Others	16	...	437	Pots	529	97	2.970	1,569
Foliage Plants .....	...	...	...	...	...	...	...	1,920
Hanging Baskets	13	...	...	Baskets	153	99	5.500	842
Potted Foliage	12	...	194	...	...	83	...	1,078
Bedding/Garden Plants .....	...	...	...	...	...	...	...	30,766
Flats .....	...	...	...	Flats	...	...	...	18,033
Geraniums	17	...	118	Flats	59	91	12.600	743
Impatiens	38	...	307	Flats	155	90	8.190	1,269
New Guinea Impatiens ..	11	...	20	Flats	10	80	10.020	100
Petunias	45	...	1,153	Flats	571	91	8.820	5,036
Other (Incl. Foliar)	47	...	2,210	Flats	1,025	84	9.060	9,287
Vegetable Type	39	...	377	Flats	197	83	8.110	1,598
Potted .....	...	...	...	...	...	...	...	9,135
Chrysanthemums	31	...	471	Pots	752	97	1.150	865
Geraniums (Cutting)	42	...	545	Pots	1,248	81	1.980	2,469
Geraniums (Seed)	20	...	283	Pots	867	97	1.000	870
Impatiens	12	...	18	Pots	49	80	.820	40
New Guinea Impatiens ..	21	...	48	Pots	107	86	1.620	173
Petunias	10	...	45	Pots	114	84	.760	87
Other (Incl. Foliar)	29	...	1,146	Pots	2,889	95	1.530	4,419
Vegetable Type	20	...	156	Pots	244	63	.870	212
Flowering Hanging Baskets	...	...	...	...	...	...	...	3,598
Geraniums	38	...	...	Baskets	67	86	7.120	477
Impatiens	31	...	...	Baskets	18	82	7.340	132
New Guinea Impatiens ..	32	...	...	Baskets	48	95	6.800	326
Petunias	37	...	...	Baskets	45	86	6.860	309
Other	44	...	...	Baskets	333	93	7.070	2,354
Other Bedding/Garden Plants & Cultivated Greens	...	...	...	...	...	...	...	4
Total All Plants ^{3/}	81	...	...	...	...	...	...	59,558

^{1/} During 1995, there were 164 operations that had sales of \$10,000 or more. The total covered growing area for all 164 operations of 11,052,000 square feet consisted of the following:

344,000 square feet of glass; 8,009,000 square feet of fiberglass and other rigid greenhouses;

2,423,000 square feet of film plastic (single/multiple) greenhouses; 276,000 square feet of shade and temporary cover.

In addition, plants were produced on 66 acres of open ground.

The data in the table represents production and sales only from operations with sales of \$100,000 or more. The value of sales from all 164 operations with sales of \$10,000 or more totaled \$63.82 million in 1995.

^{2/} For potted plants, price represents a weighted average for plants sold in pots less than 5 inches and in pots 5 inches or more.

^{3/} Value based on equivalent wholesale value of all sales for all crops except potted foliage plants which are based on net value of sales.

Floriculture: Production, sales, and value for operations with \$100,000 + sales, Colorado, 1996 1/

Kind	Number of producers	Plants grown	Production area	Sales			Wholesale price 2/	Value of sales at wholesale
				Unit	Number sold	Percent of sales at wholesale		
	Number	1,000	1,000 Sq. Ft.	1,000	1,000	Percent	Dollars	1,000 Dollars
Cut Flowers .....	...	...	...	...	...	...	...	17,920
Carnations .....	...	1,835	815	...	13,489	100	.274	3,697
Standard	16	1,345	637	Blooms	13,004	100	.225	2,926
Miniature	14	490	178	Bunches	485	100	1.590	771
Roses, Hybrid Tea	13	906	1,653	Blooms	18,297	99	.437	7,996
Others .....	...	...	...	...	...	...	...	5,597
Potted Flowering Plants .....	...	...	...	...	...	...	...	11,039
African Violets	8	...	31	Pots	102	99	2.200	224
Chrysanthemums	7	...	190	Pots	219	100	3.260	714
Cyclamens	20	...	72	Pots	146	93	3.130	457
Finished Florist Azaleas ..	9	...	31	Pots	33	93	7.700	254
Potted Kalanchoes	8	...	47	Pots	58	93	3.410	198
Easter Lilies	12	...	187	Pots	284	100	4.550	1,292
Poinsettias	33	...	2,195	Pots	1,292	95	4.660	6,026
Others	15	...	308	Pots	497	97	3.770	1,874
Foliage Plants .....	...	...	...	...	...	...	...	1,835
Hanging Baskets	9	...	...	Baskets	132	98	5.510	727
Potted Foliage	11	...	194	...	...	81	...	1,108
Bedding/Garden Plants .....	...	...	...	...	...	...	...	35,564
Flats .....	...	...	...	Flats	...	...	...	20,864
Geraniums	18	...	198	Flats	99	68	12.550	1,242
Impatiens	33	...	290	Flats	147	96	8.320	1,223
New Guinea Impatiens ..	10	...	20	Flats	10	61	10.170	102
Petunias	39	...	1,125	Flats	558	93	9.090	5,072
Other (Incl. Foliar)	44	...	2,535	Flats	1,192	88	9.320	11,109
Vegetable Type	36	...	450	Flats	231	82	9.160	2,116
Potted .....	...	...	...	...	...	...	...	10,871
Chrysanthemums	24	...	478	Pots	771	98	1.150	887
Geraniums (Cutting)	41	...	555	Pots	1,303	84	1.960	2,560
Geraniums (Seed)	12	...	334	Pots	1,044	99	.970	1,013
Impatiens	9	...	14	Pots	42	91	.850	36
New Guinea Impatiens ..	19	...	37	Pots	103	87	1.810	186
Petunias	9	...	50	Pots	113	82	.770	87
Other (Incl. Foliar)	34	...	1,249	Pots	3,849	94	1.530	5,901
Vegetable Type	16	...	71	Pots	199	67	1.010	201
Flowering Hanging Baskets	...	...	...	...	...	...	...	3,829
Geraniums	34	...	...	Baskets	66	81	7.640	504
Impatiens	28	...	...	Baskets	18	81	7.580	136
New Guinea Impatiens ..	26	...	...	Baskets	46	93	6.720	309
Petunias	32	...	...	Baskets	37	86	6.560	243
Other	45	...	...	Baskets	373	92	7.070	2,637
Other Bedding/Garden Plants & Cultivated Greens	...	...	...	...	...	...	...	6
Total All Plants 3/	78	...	...	...	...	...	...	65,734

1/ During 1996, there were 162 operations that had sales of \$10,000 or more. The total covered growing area for all 162 operations of 11,143,000 square feet consisted of the following:

463,000 square feet of glass; 7,955,000 square feet of fiberglass and other rigid greenhouses;

2,403,000 square feet of film plastic (single/multiple) greenhouses; 322,000 square feet of shade and temporary cover.

In addition, plants were produced on 73 acres of open ground.

The data in the table represents production and sales only from operations with sales of \$100,000 or more. The value of sales from all 162 operations with sales of \$10,000 or more totaled \$70.04 million in 1996.

2/ For potted plants, price represents a weighted average for plants sold in pots less than 5 inches and in pots 5 inches or more.

3/ Value based on equivalent wholesale value of all sales for all crops except potted foliage plants which are based on net value of sales.

Field Crops: Usual planting and harvesting dates, Colorado

Crop	Usual planting dates	Usual harvesting dates			Principal producing districts ^{1/}
		Begin	Most active	End	
Barley:					
Fall sown	Sept. 1 - Oct. 15	June 20	July 1 - July 20	Aug. 5	20, 60, 90
Spring sown	Mar. 15 - Apr. 30	June 20	July 5 - Sept. 10	Sept. 20	10, 20, 70, 80
Beans, dry	May 20 - July 1	Aug. 25	Sept. 5 - Sept. 15	Oct. 10	20, 60, 70, 90
Corn:					
Grain	Apr. 15 - June 1	Oct. 1	Oct. 10 - Nov. 20	Dec. 1	20, 60, 70, 90
Silage	Apr. 15 - June 1	Aug. 25	Sept. 1 - Sept. 25	Oct. 10	20, 60, 70, 90
Hay:					
Alfalfa	June 1	June 5 - Sept. 25	Oct. 10		Statewide
Other	July 1	July 5 - Aug. 10	Sept. 25		Statewide
Oats	Mar. 20 - May 5	July 15	July 25 - Aug. 30	Sept. 20	Statewide
Potatoes:					
Fall	Apr. 25 - May 25	Sept. 15	Oct. 1 - Oct. 10	Oct. 20	80
Summer	Apr. 5 - May 10	July 25	Aug. 15 - Sept. 25	Oct. 20	20
Sorghum:					
Grain	May 5 - June 20	Oct. 1	Oct. 10 - Nov. 15	Nov. 25	60, 90
Silage	May 5 - June 20	Sept. 1	Sept. 5 - Sept. 20	Oct. 1	60, 90
Sugar beets	Apr. 1 - May 25	Oct. 1	Oct. 15 - Nov. 5	Nov. 20	20
Sunflowers	May 20 - June 10	Sept. 10	Sept. 20 - Oct. 10	Oct. 30	20, 60
Wheat:					
Winter	Aug. 20 - Oct. 10	June 25	July 10 - July 20	Sept. 5	20, 60, 90
Spring	Mar. 25 - May 20	July 15	Aug. 5 - Sept. 25	Oct. 1	10, 80

^{1/} See footnotes at bottom of page.

Fruit Crops: Usual bloom and harvest dates, Colorado

Crop	Usual blooming dates	Usual harvesting dates			Principal producing counties
		Begin	Most active	End	
Apples	Apr. 20 - May 10	Aug. 5	Sept. 10 - Oct. 10	Nov. 5	Delta, Mesa
Peaches	Apr. 5 - Apr. 25	Aug. 5	Aug. 20 - Sept. 5	Sept. 20	Mesa, Delta
Pears	Apr. 20 - May 5	Aug. 10	Aug. 15 - Sept. 10	Sept. 20	Mesa, Delta
Cherries, Tart	Apr. 30	July 5	July 20 - July 30	Aug. 5	Delta, Mesa

Vegetable Crops: Usual planting and harvesting dates, Colorado

Crop	Usual planting dates	Usual harvesting dates			Principal producing districts ^{1/}
		Begin	Most active	End	
Cabbage	Apr. 5 - June 1	July 15	Aug. 1 - Sept. 30	Nov. 1	20, 60, 90
Cantaloupe	May 1 - May 20	Aug. 1	Aug. 10 - Aug. 30	Sept. 30	90
Carrots	Apr. 1 - July 5	Aug. 1	Aug. 15 - Nov. 30	Dec. 5	20, 60, 80
Lettuce	Mar. 20 - July 10	June 10	June 15 - Sept. 15	Oct. 1	20, 60, 70, 80
Onions	Mar. 10 - Apr. 30	July 10	Aug. 1 - Sept. 30	Oct. 31	20, 70, 90
Spinach	Apr. 1 - Aug. 1	June 20	July 20 - Sept. 1	Sept. 30	20, 60, 80
Sweet corn	Apr. 1 - June 30	July 10	July 20 - Sept. 20	Oct. 5	20, 60, 70, 90

^{1/} For Districts, see map on inside of front cover as follows:

10-Northwest and Mountains; 20-Northeast; 60-East Central; 70-Southwest; 80-San Luis Valley; 90-Southeast.

Precipitation: Monthly and annual averages by district, Colorado, 1990-96 1/

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Total
Northwest and Mountain District													
Inches													
Average													
1941-70	1.13	1.02	1.29	1.50	1.37	1.28	1.64	1.76	1.19	1.16	.99	1.13	15.46
1990 .....	.56	.98	1.51	1.93	1.13	.66	2.35	1.42	1.70	1.89	1.17	.75	16.05
1991 .....	.93	.53	1.93	1.39	1.06	1.77	2.10	1.82	1.15	1.01	1.71	.42	15.82
1992 .....	.62	.67	1.50	1.20	2.09	1.14	1.82	2.00	.94	.86	1.43	.92	15.19
1993	1.43	2.20	1.88	1.94	1.47	1.11	.75	1.38	1.60	2.04	1.35	.72	17.87
1994 .....	.58	1.22	.87	1.92	.89	.73	.33	1.77	1.32	1.21	1.46	.59	12.89
1995	1.02	1.82	1.98	2.51	4.01	1.74	1.46	1.45	1.86	.94	1.38	.94	21.11
1996	2.85	2.38	1.14	1.58	1.32	1.08	1.12	.71	1.75	1.73	1.72	2.07	19.45
Northeast District													
Inches													
Average													
1941-70 .....	.47	.44	1.00	1.69	2.81	2.41	1.95	1.54	1.10	1.09	.60	.40	15.50
1990 .....	.67	.28	3.13	1.25	2.50	.63	3.27	1.89	1.32	.78	1.04	.28	17.04
1991 .....	.44	.12	.62	1.00	3.25	2.82	1.84	1.88	1.47	.94	1.82	.02	16.22
1992 .....	.83	.16	3.22	.65	1.16	4.08	2.21	3.22	.32	.58	1.27	.51	18.21
1993 .....	.25	.95	.97	1.93	1.77	2.55	1.21	1.69	1.95	1.93	1.15	.24	16.59
1994 .....	.66	.53	.70	1.76	1.03	1.41	1.40	1.54	.65	1.97	.96	.42	13.03
1995 .....	.28	.68	.72	2.94	5.89	3.89	1.19	.74	2.45	.66	.82	.10	20.36
1996 .....	.90	.12	1.30	.98	3.98	1.89	2.15	1.89	2.95	.51	.62	.15	17.44
East Central District													
Inches													
Average													
1941-70 .....	.41	.39	.87	1.53	2.56	2.29	2.53	2.15	1.26	1.04	.58	.34	15.95
1990 .....	.94	.42	1.94	1.06	3.20	.81	3.55	2.16	1.63	1.10	.98	.13	17.92
1991 .....	.24	.09	1.22	1.05	2.91	2.70	4.29	3.09	.75	.69	1.76	.67	19.46
1992 .....	.83	.35	1.94	.39	.92	3.54	2.81	3.61	.26	.59	.96	.28	16.48
1993 .....	.35	.75	.60	1.32	1.89	1.75	2.70	3.01	.97	2.12	.99	.21	16.66
1994 .....	.50	.20	.42	2.19	1.59	1.77	2.44	2.18	.61	2.02	.77	.32	15.01
1995 .....	.45	.49	.94	2.69	5.39	4.88	2.25	1.04	1.69	.48	.37	.06	20.73
1996 .....	.35	.13	.89	.72	3.51	2.06	3.42	2.91	2.08	.30	.18	.11	16.66
West Central and Southwest District													
Inches													
Average													
1941-70	1.25	1.05	1.25	1.35	1.04	.90	1.39	1.88	1.37	1.61	1.00	1.27	15.36
1990 .....	.71	.86	1.49	2.21	.96	.35	2.13	1.51	2.20	1.94	1.35	1.14	16.85
1991	1.14	.45	1.95	.72	.51	.85	1.44	1.53	2.06	1.33	2.23	1.07	15.28
1992 .....	.58	1.12	2.01	.61	3.34	.58	2.08	1.77	1.01	1.34	1.41	1.39	17.24
1993	2.73	2.72	1.56	1.11	2.19	.35	.16	2.81	.98	1.93	1.06	.70	18.30
1994 .....	.55	1.54	.59	2.10	.78	.58	.42	1.42	2.00	1.26	1.84	.92	14.00
1995	1.24	.99	2.67	1.31	3.07	1.67	1.48	1.66	1.75	.50	.68	.77	17.79
1996	1.62	1.51	.84	1.09	.54	1.08	1.29	.63	2.21	2.83	1.81	1.10	16.55
South Central District													
Inches													
Average													
1941-70 .....	.42	.32	.53	.77	.76	.69	1.45	1.59	.86	.97	.38	.48	9.22
1990 .....	.41	.35	.85	1.81	.81	.27	2.03	1.32	2.37	1.11	.84	.52	12.69
1991 .....	.20	.21	.57	.33	.80	.86	1.36	1.74	.70	.61	1.23	.74	9.35
1992 .....	.18	.17	1.32	.17	1.33	.80	1.75	2.61	.71	.15	.54	.69	10.59
1993 .....	.39	.63	.77	.46	1.41	.26	.59	3.60	.99	.62	.53	.28	10.53
1994 .....	.39	.18	.74	1.27	1.65	.52	.41	1.99	1.35	1.10	.96	.13	10.69
1995 .....	.15	.19	.98	1.23	1.49	1.58	1.41	1.34	1.27	.09	.45	.16	10.34
1996 .....	.45	.22	.48	.53	.20	1.26	1.00	1.07	.90	.80	.57	.71	8.19
Southeast District													
Inches													
Average													
1941-70 .....	.56	.54	.95	1.51	1.96	1.61	2.24	2.05	1.05	1.02	.62	.55	14.66
1990 .....	.90	1.07	.93	1.10	2.48	.92	4.37	1.51	2.17	.99	.99	.44	17.87
1991 .....	.32	.11	.92	.96	1.07	2.06	2.82	3.18	1.18	.69	2.09	.58	15.98
1992 .....	.20	.43	.79	.37	1.17	3.33	3.09	3.41	.25	.38	1.72	.40	15.54
1993 .....	.42	.94	1.50	1.30	2.68	1.71	1.07	2.93	.88	.96	.98	.17	15.54
1994 .....	.44	.04	1.04	1.90	2.27	1.65	1.74	3.40	.77	1.05	.89	.19	15.38
1995 .....	.39	.23	.98	2.28	4.59	3.25	1.65	1.15	1.24	.03	.27	.12	16.18
1996 .....	.30	.19	1.11	.60	2.69	2.12	3.70	3.32	1.92	.54	.41	.27	17.17

1/ Compiled from reports issued by the National Oceanic and Atmospheric Administration.

COLORADO FARM INCOME

The gross farm income for Colorado's 25,000 farms in operation during 1995 totaled \$4.71 billion, up 1 percent from \$4.66 billion generated from the 25,300 farms in operation during 1994. Production expenses increased 6 percent to \$4.26 billion. Net farm income, at \$443.5 million for 1995, was down 29 percent from \$625.3 million the previous year.

Cash receipts from farm marketings were down 2 percent from 1994 to \$4.42 billion in 1995. Receipts from the sale of crops increased 6 percent to \$1.36 billion while receipts from the sale of livestock and livestock products declined 5 percent to \$2.62 billion.

Government payments totaled \$167.1 million in 1995, down 6 percent from \$177.0 million the previous year. Other farm income was up slightly to \$270.3 million compared with \$269.4 million in 1994. The value of non cash income, at \$197.0 million during 1995, increased 3 percent from \$191.4 million for 1994. The value of home consumption, at \$8.7 million, was up 7 percent from the previous year while the rental value of operator and hired labor dwellings increased 3 percent from \$183.3 million in 1994 to \$188.3 million in 1995. The value of the inventory adjustment was a positive \$88.3 million compared with a negative \$31.7 million a year earlier.

(Continued on next page)

Farm income indicators, Colorado, 1990-95

Item	1990	1991	1992	1993	1994	1995
Million Dollars						
Gross Farm Income ^{1/}	4,837.0	4,256.7	4,315.9	4,815.5	4,657.4	4,707.2
Cash Income	4,621.0	4,026.8	4,166.5	4,632.8	4,497.7	4,421.8
Farm Marketings	4,226.7	3,634.3	3,795.3	4,202.0	4,051.4	3,984.5
Crops	1,130.7	1,063.2	1,030.7	1,209.6	1,287.2	1,360.8
Livestock and Products	3,096.0	2,571.1	2,764.6	2,992.4	2,764.2	2,623.7
Government Payments	236.7	217.1	203.2	250.3	177.0	167.1
Other Farm Income	157.6	175.4	168.0	180.5	269.4	270.3
Noncash Income	123.0	138.9	132.7	156.0	191.4	197.0
Value of Home Consumption	9.3	8.3	6.9	6.8	8.1	8.7
Rental Value of Dwellings	113.7	130.6	125.8	149.2	183.3	188.3
Operator and Other Dwellings	101.5	115.6	115.4	138.1	172.7	170.2
Hired Labor Dwellings	12.2	14.9	10.4	11.1	10.6	18.1
Value of Inventory Adjustment	93.0	91.0	16.7	26.7	-31.7	88.3
Total Production Expenses	3,733.1	3,574.4	3,579.3	3,833.0	4,032.1	4,263.7
Intermediate Product Expenses	2,752.0	2,666.2	2,711.6	2,953.4	3,024.5	3,166.8
Farm Origin	1,822.5	1,761.7	1,804.6	1,931.2	1,777.5	1,866.6
Feed Purchased	444.6	413.7	419.8	453.1	517.5	660.6
Livestock and Poultry Purchased	1,313.3	1,274.2	1,316.7	1,405.5	1,174.7	1,124.4
Seed Purchased	64.6	73.8	68.1	72.7	85.3	81.5
Manufactured Inputs	231.7	227.7	217.2	230.8	276.4	299.6
Fertilizer & Lime	81.8	76.8	75.8	86.5	112.1	119.1
Pesticides	42.8	46.7	47.9	52.8	61.7	64.9
Fuel & Oil	107.1	104.3	93.5	91.6	102.6	115.6
Other	697.8	676.8	689.9	791.3	970.6	1,000.6
Repair & Maintenance	121.3	117.1	136.6	137.3	167.2	160.7
Other Miscellaneous	576.5	559.7	553.3	654.0	803.4	840.0
Interest	300.6	274.6	248.2	219.2	249.4	268.3
Real Estate	146.6	132.1	119.7	111.6	117.6	120.7
Non-Real Estate	154.0	142.5	128.5	107.6	131.8	147.6
Contract and Hired Labor Expenses ...	193.0	182.1	171.7	208.9	268.2	286.0
Net Rent To Non-Operator Landlords	122.6	85.7	80.7	74.3	89.8	126.7
Capital Consumption	288.6	290.5	289.0	293.7	306.2	315.8
Property Taxes	76.2	75.3	78.2	83.6	94.0	100.1
Net Farm Income	1,104.0	682.3	736.5	982.5	625.3	443.5
Number of Farms	26,500	26,000	25,500	25,500	25,300	25,000

^{1/} Includes operator households.

Farm production expenses totaled \$4.26 billion in 1995 compared with \$4.03 billion a year earlier. The farm origin components of feed, livestock and poultry, and seed purchased totaled \$1.87 billion, up 5 percent from \$1.78 billion the previous year. Those items represented 44 percent of all production expenses. Expenditures for manufactured inputs such as fertilizer, pesticides, and fuel and oil, at \$299.6 million, were up 8 percent from the \$276.4 million spent for those items in 1994. Other expenditures such as those for repair and maintenance and numerous other miscellaneous expenses increased 3 percent to a total of \$1.0 billion compared with \$970.6 million the previous year. Interest expenses were up 8 percent from \$249.4 million in 1994 to \$268.3 million in 1995. Contract and hired labor expenses, at \$286.0 million, were 7 percent higher than the \$268.2 million spent a year earlier.

Colorado's farm balance sheet moved a little more to the debit side compared with the previous year. Total farm assets were up 4 percent to \$20.46 billion but total farm debt increased 7 percent to \$3.28 billion. The largest asset item, real estate, was valued at \$16.01 billion and was 7 percent higher than a year earlier. This item represented 78 percent of the total farm asset value. The value of livestock and poultry, at \$1.71 billion, was down 14 percent from just under \$2.00 billion in 1994. The value of purchased inputs declined 30 percent from the previous year to \$70.4 million and financial assets were down 1 percent to \$1.05 billion. The value of machinery and motor vehicles declined 3 percent, from \$1.22 billion in 1994 to \$1.19 billion in 1995. The value of crops, at \$424.1 million at the end of 1995, was 19 percent higher than the value of \$355.9 million at the end of 1994.

Total farm debt was up 7 percent to \$3.28 billion with real estate and non-real estate debt increasing 7 percent and 8 percent, respectively. Real estate debt increased to \$1.67 billion from \$1.57 billion in 1994. Non-real estate debt increased from \$1.49 billion in 1994 to \$1.61 billion for 1995. Overall farm equity increased 3 percent to \$17.17 billion. The debt/equity ratio increased to 19.1 compared with 18.4 the previous year while the debt/assets ratio of 16.0 was up from 15.5 a year earlier.

Livestock and livestock products continued to be the leading contributor to Colorado's cash receipts with a total value of \$2.62 billion in 1995. This was down 5 percent from \$2.76 billion the previous year and represented 65.8 percent of the total cash receipts from all commodities, at \$3.98 billion. Receipts from cattle and calves totaled \$2.08 billion in 1995 which accounted for 79 percent of the total livestock receipts and 52.2 percent of the total cash receipts from all commodities.

Receipts from crops totaled \$1.36 billion in 1995, up 6 percent from the previous year, representing 34.2 percent of the total. Wheat was the state's second leading contributor to cash receipts with \$385.4 million followed by corn with \$266.9 million. The value of milk sold wholesale and retailed directly by producers totaled \$206.2 million and remained the fourth leading contributor to cash receipts. Hay was fifth with \$171.3 million; potatoes ranked sixth with \$124.6 million; poultry and eggs were seventh with \$111.3 million; sheep and lambs were eighth with \$104.8 million; hogs were ninth with \$86.0 million; and floriculture was tenth with \$69.2 million. Cash receipts from the top ten commodities accounted for 91 percent of the total cash receipts from all commodities in 1995.

Farm balance sheet, Colorado, December 31, 1990-95 ^{1/}

Item	1990	1991	1992	1993	1994	1995
Million Dollars						
Total Farm Assets	17,432.7	16,181.3	17,066.1	18,741.8	19,682.4	20,455.1
Real Estate	12,944.3	11,828.9	12,583.8	13,956.5	14,954.2	16,013.4
Livestock & Poultry ^{2/}	2,045.1	1,942.4	2,055.4	2,082.5	1,996.2	1,712.7
Machinery & Motor Vehicles ^{3/}	1,279.5	1,200.8	1,169.9	1,203.1	1,221.8	1,189.1
Crops ^{4/}	391.7	395.2	354.2	453.0	355.9	424.1
Purchased Inputs	122.1	64.6	74.4	77.0	100.7	70.4
Financial	650.0	749.4	828.3	969.6	1,053.6	1,045.4
Total Farm Debt	2,872.1	2,833.8	2,791.9	2,940.6	3,054.8	3,281.1
Real Estate	1,485.7	1,513.9	1,486.9	1,547.3	1,565.6	1,674.8
Non-Real Estate ^{5/}	1,386.4	1,319.9	1,305.0	1,393.3	1,489.2	1,606.4
Equity	14,560.6	13,347.6	14,274.1	15,801.2	16,627.6	17,174.0
Debt/Equity	19.7	21.2	19.6	18.6	18.4	19.1
Debt/Assets	16.5	17.5	16.4	15.7	15.5	16.0

^{1/} Includes operator dwellings. ^{2/} Excludes horses, mules, and broilers. ^{3/} Includes only farm share value for autos and trucks.

^{4/} All crops held on farms including value above loan rates for crops held under CCC. ^{5/} Excludes debt for non-farm purposes.

Farm Income: Cash receipts by commodity, Colorado, 1992-95 1/

Commodity	1992		1993		1994		1995	
	Cash receipts	Percent of total	Cash receipts	Percent of total	Cash receipts	Percent of total	Cash receipts	Percent of total
	1,000 Dollars	%	1,000 Dollars	%	1,000 Dollars	%	1,000 Dollars	%
All commodities	3,795,283	100.0	4,202,028	100.0	4,051,357	100.0	3,984,525	100.0
Livestock and products	2,764,612	72.8	2,992,409	71.2	2,764,169	68.2	2,623,691	65.8
Meat animals	2,452,888	64.6	2,668,409	63.5	2,412,908	59.6	2,272,067	57.0
Cattle and calves	2,336,630	61.6	2,485,036	59.1	2,224,165	54.9	2,081,211	52.2
Hogs	73,999	1.9	88,994	2.1	94,129	2.3	86,048	2.2
Sheep and lambs	42,259	1.1	94,379	2.2	94,614	2.3	104,808	2.6
Dairy products	189,386	5.0	189,285	4.5	214,160	5.3	206,240	5.2
Milk, retail	12,372	.3	13,395	.3	15,600	.4	15,400	.4
Milk, wholesale	177,014	4.7	175,890	4.2	198,560	4.9	190,840	4.8
Poultry/eggs	95,746	2.5	107,204	2.6	106,957	2.6	111,344	2.8
Chicken eggs	42,827	1.1	47,988	1.1	42,790	1.1	47,361	1.2
Other poultry	52,919	1.4	59,216	1.4	64,167	1.6	63,983	1.6
Miscellaneous livestock	26,592	.7	27,511	.7	30,144	.7	34,040	.9
Honey	2,270	.1	2,244	.1	1,915	*	1,836	*
Wool	4,406	.1	2,600	.1	3,317	.1	4,316	.1
Aquaculture	2,370	.1	2,134	.1	2,274	.1	2,272	.1
Other livestock	17,000	.4	20,000	.5	22,000	.5	25,000	.6
Crops	1,030,671	27.2	1,209,619	28.7	1,287,188	31.0	1,360,834	34.2
Food grains	216,382	5.7	261,040	6.2	299,196	7.4	385,448	9.7
Wheat	216,294	5.7	260,984	6.2	299,107	7.4	385,338	9.7
Feed crops	438,775	11.6	424,922	10.1	484,380	12.0	474,724	11.9
Barley	20,299	.5	23,109	.6	15,178	.4	21,543	.5
Corn	272,227	7.2	223,864	5.3	278,663	6.9	266,893	6.7
Hay	128,076	3.4	165,381	3.9	171,722	4.2	171,294	4.3
Oats	958	*	1,255	*	1,004	*	1,281	*
Sorghum grain	17,215	.5	11,313	.3	17,813	.4	13,713	.3
Oilcrops	7,734	.2	11,177	.3	12,537	.3	13,185	.3
Vegetables	198,836	5.2	333,919	7.9	304,728	7.5	284,420	7.1
Beans, dry	43,160	1.1	69,128	1.6	55,955	1.4	46,185	1.2
Potatoes	64,730	1.7	110,296	2.6	130,638	3.2	124,578	3.1
Summer	10,517	.3	13,038	.3	14,878	.3	14,667	.4
Fall	54,213	1.4	97,258	2.3	115,760	2.9	109,911	2.8
Cabbage	2,336	.1	4,859	.1	6,365	.2	3,534	.1
Cantaloupe	1,080	*	2,328	.1	4,147	.1	2,657	.1
Carrots	10,059	.3	9,150	.2	11,780	.3	23,085	.6
Corn, sweet	4,668	.1	7,224	.2	7,258	.2	5,805	.1
Cucumbers	1,139	*	2,010	*	1,728	*	956	*
Lettuce	16,116	.4	11,275	.3	6,970	.2	6,564	.2
Onions	45,145	1.2	102,274	2.4	63,865	1.6	56,779	1.4
Spinach	6,786	.2	10,185	.2	8,670	.2	5,075	.1
Tomatoes, processing	117	*	190	*	352	*	202	*
Miscellaneous vegetables	3,500	.1	5,000	.1	7,000	.2	9,000	.2
Fruits/nuts	18,710	.5	22,051	.5	21,780	.5	20,292	.5
Apples	10,841	.3	13,495	.3	12,981	.3	8,881	.2
Peaches	5,165	.1	5,287	.1	5,742	.1	7,932	.2
Pears	1,137	*	1,670	*	1,097	*	1,000	*
Other berries	70	*	75	*	70	*	65	*
Miscellaneous fruits & nuts	950	*	1,300	*	1,500	*	2,000	.1
All other crops	150,234	3.9	156,510	3.7	164,567	4.1	182,765	4.6
Sugar beets	37,683	1.0	35,482	.8	36,326	.9	35,626	.9
Other seeds	950	*	900	*	950	*	930	*
Other field crops	14,000	.4	15,000	.4	12,000	.3	13,000	.3
Greenhouse/nursery	88,562	2.3	97,315	2.3	108,950	2.7	133,209	3.3
Floriculture	52,662	1.4	58,515	1.4	54,950	1.4	69,209	1.7
Ornamentals, other	33,000	.9	35,000	.8	40,000	1.0	42,000	1.1
Greenhouse Tomatoes	2,900	.1	3,800	.1	14,000	.3	22,000	.6

1/ Totals may not add due to rounding.

* Less than 0.05 percent.

Note: Reprinted from **Economic Indicators of the Farm Sector**, January 1996, USDA Economic Research Service. Cash receipt data reflect income derived from the sale of agricultural commodities during a calendar year for only that portion of the commodity that is sold.

PRICES RECEIVED BY FARMERS

Prices received by farmers and ranchers provide a basis for calculating the income from the Agricultural Sector as part of the National Income Accounts. These data are also extensively used to analyze past and current marketing patterns and to make current and future marketing decisions. Prices received for major farm commodities are used in computing the Index of Prices Received by Farmers, an important indicator of the economic environment of the nation's agricultural producers.

Marketing year average prices, by commodity, Colorado, 1988-96

Commodity	Price per unit <u>1/</u>									
	Unit	1988	1989	1990	1991	1992	1993	1994	1995	1996
	Dollars									
Wheat, all	Bu.	3.69	3.66	2.46	3.07	3.15	3.21	3.48	4.64	4.00
Wheat, winter	Bu.	3.69	3.68	2.47	3.07	3.15	3.21	3.48	4.65	4.15
Wheat, spring	Bu.	3.62	3.45	2.28	3.05	3.00	2.83	3.28	4.30	3.65
Corn, grain	Bu.	2.54	2.32	2.36	2.43	2.23	2.65	2.38	3.33	2.75
Corn, silage	Ton	22.20	21.30	21.60	20.00	19.10	19.90	22.00	22.00	24.00
Barley, all	Bu.	3.01	3.28	3.06	3.14	2.57	2.93	2.64	2.95	3.05
Sorghum, grain	Bu.	2.25	2.20	2.09	2.25	1.92	2.50	2.14	3.14	2.50
Sorghum, silage	Ton	17.00	18.00	19.50	17.70	18.00	20.00	20.00	20.00	19.00
Dry beans <u>2/</u>	Cwt.	31.20	30.40	15.90	13.70	19.00	27.00	16.60	18.50	24.80
Sunflowers, all <u>3/</u> ..	Cwt.	---	---	---	9.60	10.20	13.20	11.30	12.70	13.20
Oil varieties	Cwt.	---	---	---	8.00	8.75	12.30	10.20	11.40	10.80
Non-oil varieties ..	Cwt.	---	---	---	11.70	13.00	15.00	14.00	14.10	15.70
Sugar beets	Ton	42.10	43.70	39.80	39.80	39.50	38.40	35.70	35.40	<u>5/</u>
Oats	Bu.	2.45	1.45	1.70	1.60	1.70	1.82	1.80	2.17	2.20
Hay, all (baled)	Ton	82.00	91.50	80.50	70.50	64.50	77.00	91.00	88.50	93.50
Potatoes, all	Cwt.	7.15	8.10	4.65	2.25	4.20	6.05	3.75	6.25	2.25
Potatoes, summer ..	Cwt.	5.40	6.00	6.80	4.90	5.55	5.35	5.15	6.45	4.35
Potatoes, fall	Cwt.	7.35	8.35	4.45	2.00	4.05	6.15	3.55	6.25	2.00
Rye	Bu.	2.15	1.65	1.70	1.90	2.30	2.61	2.50	2.55	3.40
Apples, commercial .	Lb.	.110	.096	.147	.156	.145	.147	.157	.145	.223
Cherries, tart	Lb.	.251	.125	.207	.414	.365	.249	.355	.414	.473
Peaches	Lb.	.269	<u>6/</u>	.356	.380	.333	.311	.319	.496	.496
Pears	Ton	251.00	337.00	336.00	298.00	284.00	348.00	268.00	357.00	436.00
Cabbage <u>4/</u>	Cwt.	---	---	---	---	5.90	8.90	7.80	6.20	8.50
Cantaloupe <u>4/</u>	Cwt.	---	---	---	---	10.00	9.70	12.80	12.30	10.80
Carrots	Cwt.	8.40	8.35	7.60	8.00	10.60	8.60	10.00	13.50	7.10
Cucumbers	Ton	123.00	140.00	137.00	113.00	168.00	210.00	200.00	129.00	150.00
Lettuce	Cwt.	10.70	13.10	12.40	6.42	15.80	10.80	8.89	7.65	7.00
Onions	Cwt.	12.30	12.90	11.10	12.40	14.70	21.70	13.20	11.20	14.70
Spinach <u>4/</u>	Cwt.	---	---	---	---	26.10	29.10	30.00	25.00	28.60
Sweet Corn	Cwt.	9.40	12.40	12.60	11.00	6.30	10.50	10.80	8.60	9.20
Tomatoes	Ton	72.70	95.00	98.00	100.00	90.00	100.00	110.00	110.00	110.00
Beef cattle	Cwt.	70.90	73.20	78.50	75.30	74.10	76.80	69.20	64.70	61.80
Milk cows	Hd.	1,060.00	1,080.00	1,160.00	1,160.00	1,150.00	1,200.00	1,220.00	1,170.00	1,160.00
Calves	Cwt.	93.20	93.20	99.80	103.00	96.20	101.00	90.10	75.20	60.70
Steers & heifers ...	Cwt.	72.50	75.30	80.00	76.30	76.30	78.50	70.50	66.60	63.80
Cows	Cwt.	49.10	49.70	53.10	51.50	53.20	52.20	47.10	36.90	32.60
Sheep	Cwt.	25.30	27.30	24.10	22.40	26.40	28.80	29.10	27.30	30.40
Lambs	Cwt.	68.50	63.40	54.40	54.00	61.20	64.00	65.60	79.60	88.40
Hogs	Cwt.	44.60	44.30	55.80	52.10	43.90	47.00	41.60	42.00	54.70
Turkeys	Lb.	<u>7/</u>	<u>7/</u>	<u>7/</u>	<u>7/</u>	<u>7/</u>	<u>7/</u>	<u>7/</u>	<u>7/</u>	<u>7/</u>
Chickens	Lb.	.130	.160	.120	.110	.100	.100	.070	.040	.030
Eggs	Doz.	.550	.760	.778	.730	.614	.688	.660	.706	.756
Milk sold to plants	Cwt.	13.20	14.70	14.50	12.70	13.40	13.00	13.60	13.00	14.60
Wool	Lb.	1.40	1.34	.71	.52	.74	.50	.72	1.09	.73

^{1/} Does not include government payment. ^{2/} Price applies to clean basis. ^{3/} Estimates began in 1991. ^{4/} Estimates resumed in 1992.

^{5/} Not available. ^{6/} No 1989 value due to freeze. ^{7/} Not published separately to avoid disclosure.

Prices Received: Monthly averages by commodity, Colorado, 1988-96

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
All Wheat												
Dollars Per Bushel												
1988	2.61	2.70	2.65	2.64	2.75	3.11	3.25	3.27	3.28	3.62	3.74	3.75
1989	3.74	3.96	4.03	4.08	4.04	4.01	3.73	3.72	3.71	3.73	3.80	3.81
1990	3.74	3.67	3.40	3.34	3.42	3.02	2.69	2.42	2.37	2.30	2.34	2.36
1991	2.39	2.31	2.44	2.56	2.62	2.61	2.47	2.57	2.81	3.10	3.32	3.41
1992	3.47	3.88	3.77	3.67	3.44	3.48	3.06	2.79	3.07	3.18	3.22	3.26
1993	3.36	3.29	3.24	3.02	2.99	2.97	2.70	2.83	2.83	3.01	3.19	3.54
1994	3.58	3.35	3.28	3.33	3.15	3.03	3.02	3.12	3.48	3.67	3.68	3.64
1995	3.71	3.65	3.51	3.46	3.53	3.92	4.20	4.22	4.40	4.60	4.79	4.87
1996	4.87	5.08	5.24	5.67	5.59	5.50	4.78	4.61	4.19	4.17	4.16	4.04
Corn for Grain												
Dollars Per Bushel												
1988	1.76	1.84	1.79	1.89	1.88	2.47	3.00	2.86	2.85	2.65	2.57	2.55
1989	2.69	2.53	2.60	2.54	2.52	2.43	2.46	2.41	2.29	2.24	2.20	2.25
1990	2.23	2.29	2.30	2.48	2.55	2.71	2.67	2.70	2.52	2.31	2.26	2.28
1991	2.28	2.34	2.40	2.48	2.48	2.49	2.43	2.49	2.43	2.35	2.37	2.39
1992	2.40	2.49	2.53	2.53	2.54	2.57	2.51	2.27	2.34	2.25	2.19	2.16
1993	2.17	2.14	2.21	2.23	2.26	2.24	2.29	2.34	2.47	2.43	2.49	2.68
1994	2.80	2.77	2.82	2.81	2.79	2.80	2.44	2.45	2.35	2.25	2.22	2.32
1995	2.25	2.29	2.34	2.40	2.50	2.61	2.87	2.85	3.02	2.92	2.95	3.20
1996	3.22	3.60	3.63	4.11	4.61	4.72	4.83	4.49	4.00	2.94	2.91	2.62
Sorghum for Grain												
Dollars Per Cwt												
1988	2.76	2.71	2.77	2.90	2.81	4.29	4.87	4.48	4.49	4.19	4.03	3.86
1989	4.12	4.45	4.01	4.01	3.96	4.01	3.82	3.74	3.79	3.52	4.02	3.65
1990	3.67	3.31	3.87	4.06	4.22	4.29	1/	1/	3.70	3.39	3.47	3.80
1991	3.64	3.85	3.94	4.23	4.06	3.80	3.93	4.28	3.80	3.91	3.76	3.80
1992	4.00	4.20	4.29	4.25	4.31	4.23	4.06	3.85	1/	3.37	3.32	3.40
1993	3.37	3.30	3.27	3.51	3.38	3.10	3.63	3.64	4.19	3.93	4.28	4.50
1994	4.45	4.97	4.78	4.79	4.34	4.48	3.50	3.97	3.56	3.62	3.52	3.60
1995	3.65	3.76	3.84	4.16	4.21	4.22	4.68	4.49	5.48	5.22	5.11	5.29
1996	6.10	6.23	6.62	7.22	8.15	8.11	7.75	6.93	6.40	2/	2/	2/
All Barley												
Dollars Per Bushel												
1988	2.38	2.55	1.67	1.66	1.70	1.79	2.62	3.40	3.41	3.21	3.11	3.09
1989	2.41	2.06	2.11	2.27	2.24	2.23	2.31	3.86	3.10	3.18	3.44	2.82
1990	2.36	2.35	2.30	2.29	2.55	2.45	2.53	2.89	3.24	2.25	3.44	3.42
1991	2.94	3.20	3.17	2.41	2.25	2.32	2.57	3.54	2.66	3.28	3.30	3.33
1992	3.21	3.32	2.24	2.20	2.57	2.89	2.52	3.25	2.44	2.32	2.26	2.11
1993	2.36	2.31	2.31	3.01	2.05	1.94	3.16	3.17	2.40	2.55	3.26	2.22
1994	2.50	2.50	2.19	2.55	2.35	2.29	2.78	3.08	2.51	2.11	2.80	2.12
1995	2.07	2.06	2.15	2.18	2.30	2.38	2.18	2.90	2.73	2.84	3.09	3.03
1996	2.91	3.26	2.71	3.05	3.19	3.54	3.18	3.15	3.04	3.03	3.00	3.10
Feed Barley												
Dollars Per Bushel												
1988	1.56	1.73	1.67	1.66	1.70	1.74	2.14	2.07	2.24	2.09	2.09	2.14
1989	2.22	2.06	2.09	2.27	2.24	2.23	2.05	2.13	2.17	2.36	2.27	2.30
1990	2.36	2.35	2.30	2.29	2.55	2.45	2.15	2.04	2.08	1.97	2.06	2.01
1991	1.99	2.00	2.05	2.32	2.24	2.32	2.08	2.04	1.94	2.01	2.20	2.12
1992	2.19	2.40	2.24	2.20	2.29	2.17	2.07	1.84	1.87	1.90	1.95	2.00
1993	2.10	2.05	1.98	2.02	2.05	1.94	1.93	2.03	2.07	1.94	2.12	2.22
1994	2.30	2.50	2.19	2.55	2.35	2.29	2.12	1.96	1.99	2.07	2.09	2.05
1995	2.04	2.06	2.15	2.18	2.30	2.38	2.18	2.37	2.38	2.82	2.99	3.07
1996	2.91	3.33	2.71	3.46	3.19	3.54	3.14	3.06	2.80	2.62	2.57	2.51

1/ Insufficient sales.

2/ Discontinued monthly price October 1996.

Prices Received: Monthly averages by commodity, Colorado, 1988-96 (continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
Dry Beans												
Dollars Per Cwt												
1988	11.50	11.40	13.10	13.30	15.70	19.20	25.90	23.90	30.40	29.90	29.20	29.20
1989	29.20	31.80	34.20	34.20	35.30	36.00	36.00	33.80	25.40	26.60	28.20	28.40
1990	33.40	35.80	36.80	37.00	38.40	40.20	39.20	29.00	15.80	15.60	15.60	15.20
1991	14.80	15.70	15.90	15.90	17.60	17.80	16.40	14.40	13.40	13.30	12.80	12.60
1992	11.80	13.40	13.60	13.80	14.10	14.30	15.20	16.00	18.40	19.20	20.30	20.40
1993	20.40	20.10	18.80	17.90	17.10	17.10	17.30	19.60	22.90	29.30	29.90	29.30
1994	29.70	30.20	28.40	28.10	27.70	24.70	21.30	27.30	16.80	17.20	17.20	16.20
1995	15.40	15.30	16.00	16.30	16.70	17.20	17.00	16.30	16.50	16.90	15.40	15.30
1996	15.50	16.70	18.10	21.80	26.80	27.00	26.10	25.00	26.00	23.60	23.20	22.20
All Hay, Baled												
Dollars Per Ton												
1988	65.00	62.00	64.00	66.00	70.00	72.00	79.00	81.00	78.00	80.00	84.00	86.00
1989	84.00	82.00	87.00	87.00	87.00	89.00	91.00	88.00	89.00	92.00	92.00	95.00
1990	95.00	95.00	93.00	90.00	87.00	84.00	85.00	83.00	79.00	79.00	78.00	80.00
1991	79.00	79.00	81.00	78.00	77.00	75.00	75.00	74.00	74.00	72.00	71.00	71.00
1992	67.00	68.00	66.00	67.00	65.00	65.00	61.00	63.00	61.00	62.00	62.00	63.00
1993	65.00	68.00	72.00	74.00	72.00	71.00	76.00	73.00	73.00	72.00	75.00	77.00
1994	83.00	86.00	94.00	91.00	89.00	90.00	88.00	90.00	93.00	91.00	91.00	94.00
1995	92.00	89.00	93.00	91.00	90.00	91.00	89.00	90.00	90.00	90.00	87.00	87.00
1996	89.00	88.00	82.00	84.00	88.00	87.00	85.00	93.00	95.00	98.00	98.00	98.00
Alfalfa Hay, Baled												
Dollars Per Ton												
1988	65.00	62.00	65.00	66.00	70.00	73.00	80.00	84.00	80.00	83.00	86.00	88.00
1989	86.00	84.00	88.00	88.00	87.00	89.00	91.00	89.00	90.00	92.00	93.00	95.00
1990	95.00	95.00	93.00	90.00	87.00	84.00	85.00	83.00	81.00	80.00	79.00	80.00
1991	80.00	79.00	81.00	79.00	77.00	75.00	75.00	72.00	74.00	73.00	72.00	72.00
1992	68.00	68.00	66.00	67.00	65.00	65.00	61.00	63.00	61.00	62.00	63.00	63.00
1993	65.00	68.00	72.00	74.00	72.00	71.00	76.00	73.00	73.00	72.00	75.00	77.00
1994	83.00	86.00	94.00	91.00	89.00	90.00	88.00	90.00	93.00	91.00	91.00	94.00
1995	92.00	89.00	93.00	91.00	90.00	91.00	89.00	89.00	90.00	90.00	87.00	87.00
1996	90.00	89.00	83.00	85.00	89.00	87.00	85.00	94.00	96.00	99.00	99.00	99.00
All Other Hay, Baled												
Dollars Per Ton												
1988	62.00	60.00	60.00	63.00	65.00	67.00	72.00	76.00	72.00	70.00	72.00	73.00
1989	72.00	73.00	76.00	80.00	83.00	85.00	85.00	86.00	88.00	88.00	89.00	92.00
1990	94.00	94.00	90.00	87.00	84.00	81.00	82.00	80.00	76.00	75.00	76.00	78.00
1991	77.00	75.00	76.00	75.00	74.00	73.00	74.00	77.00	76.00	70.00	67.00	67.00
1992	66.00	63.00	67.00	66.00	67.00	65.00	65.00	67.00	59.00	60.00	60.00	61.00
1993	63.00	64.00	66.00	68.00	67.00	69.00	74.00	72.00	69.00	69.00	71.00	78.00
1994	79.00	81.00	87.00	88.00	86.00	88.00	85.00	84.00	87.00	89.00	89.00	93.00
1995	94.00	91.00	95.00	93.00	93.00	92.00	90.00	92.00	89.00	85.00	85.00	85.00
1996	80.00	82.00	73.00	74.00	75.00	76.00	75.00	81.00	87.00	85.00	87.00	88.00
All Potatoes												
Dollars Per Cwt												
1988	1.85	1.65	1.60	1.40	1.60	1.80	2.25	5.25	5.90	5.65	5.60	5.30
1989	6.25	6.80	8.35	8.45	8.80	9.80	10.40	6.55	6.30	6.05	5.60	6.00
1990	7.65	8.50	11.00	11.30	8.75	9.10	9.50	8.95	5.75	4.15	3.65	3.80
1991	4.30	4.10	4.00	4.25	4.10	7.75	8.00	4.50	3.65	2.30	2.30	2.00
1992	2.05	2.05	1.60	1.45	1.35	2.75	5.35	5.40	5.50	4.90	4.10	3.65
1993	3.65	3.60	3.75	4.00	4.50	4.15	4.15	4.60	4.50	5.10	5.90	5.70
1994	5.60	5.90	7.90	7.35	6.85	5.80	6.15	5.75	3.50	3.00	2.95	3.15
1995	2.85	2.70	3.30	2.95	4.15	6.85	8.95	6.75	7.50	6.20	6.00	5.50
1996	6.25	6.60	6.90	6.45	6.25	6.00	4.95	4.55	3.45	3.05	2.25	1.65

Prices Received: Monthly averages by commodity, Colorado, 1986-96 (continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
Beef Cattle												
Dollars Per Cwt												
1986	56.30	55.90	55.70	53.90	55.70	54.20	57.60	56.30	59.30	59.00	60.20	57.40
1987	59.30	62.90	64.20	68.60	69.20	67.90	66.20	66.00	69.00	67.90	66.40	65.40
1988	67.50	69.80	71.90	73.80	74.10	70.90	65.90	68.70	70.90	73.90	71.80	70.90
1989	74.00	74.40	76.90	76.00	73.30	70.50	71.00	72.70	71.10	72.90	73.20	72.90
1990	77.30	77.90	78.40	79.00	77.30	77.30	76.30	78.90	80.30	80.20	78.80	79.80
1991	78.90	80.10	81.90	81.20	80.10	74.70	73.40	69.50	69.20	73.70	72.10	70.00
1992	71.10	74.70	76.50	76.20	74.50	71.60	72.00	73.00	75.30	75.20	73.90	74.60
1993	79.50	79.30	81.70	82.50	79.40	76.20	73.50	75.50	74.80	73.10	73.80	71.50
1994	73.80	72.60	75.60	75.40	67.90	63.70	63.90	67.40	66.30	67.30	68.60	67.40
1995	71.30	72.10	69.90	66.00	64.30	62.70	60.50	61.60	62.20	61.80	64.00	62.80
1996	60.70	60.40	59.50	56.90	59.00	59.00	63.10	64.80	66.40	64.70	65.80	63.10
Cows												
Dollars Per Cwt												
1986	35.90	39.50	38.50	33.80	36.00	37.60	37.10	36.50	37.60	36.90	35.90	36.70
1987	42.30	45.10	46.40	45.60	46.50	45.50	44.30	47.00	49.30	46.40	46.00	47.00
1988	47.20	51.60	54.10	52.30	49.80	44.90	47.10	48.60	50.50	47.70	48.50	46.90
1989	50.00	57.60	50.50	53.70	47.50	47.20	46.50	51.20	50.50	48.80	47.50	49.40
1990	53.40	54.00	54.30	54.20	56.70	56.80	55.80	56.10	53.90	50.50	48.80	51.00
1991	51.00	52.70	54.10	55.20	54.90	52.80	52.40	51.90	49.60	51.60	47.60	51.30
1992	52.10	56.30	56.30	56.70	55.40	54.20	56.20	52.60	53.60	49.50	48.10	50.60
1993	53.00	54.50	54.00	56.50	55.70	56.10	55.40	54.60	53.90	49.80	47.50	47.40
1994	49.50	51.30	52.30	52.60	51.70	48.70	49.00	49.00	45.30	38.80	36.00	37.20
1995	40.10	44.30	42.20	39.00	37.90	39.40	36.80	37.50	35.30	33.20	31.10	31.60
1996	33.50	34.70	33.70	30.30	32.30	33.00	34.00	34.80	33.80	32.00	29.90	29.90
Steers and Heifers												
Dollars Per Cwt												
1986	59.30	57.20	56.80	55.10	57.00	55.50	58.70	57.30	60.20	61.00	62.80	61.10
1987	60.80	63.80	65.00	69.90	70.60	70.00	67.10	67.20	69.90	70.40	68.70	67.20
1988	68.90	70.90	73.10	74.90	76.10	72.20	66.60	69.50	72.00	75.60	75.70	73.80
1989	76.10	75.60	78.70	77.30	75.70	72.60	71.90	74.10	72.80	75.10	77.70	77.30
1990	79.50	79.30	80.00	80.50	78.90	77.80	76.70	79.80	80.90	81.50	83.20	81.60
1991	80.60	81.10	82.80	82.10	80.90	75.50	73.70	69.80	69.60	75.60	74.30	71.40
1992	73.10	77.10	78.50	78.00	76.60	73.30	73.50	74.50	76.70	77.80	77.40	77.90
1993	81.80	81.20	83.50	84.50	81.70	77.30	74.30	76.10	75.90	76.00	76.10	73.60
1994	75.60	74.00	77.10	77.10	68.70	64.50	64.70	68.00	67.40	68.80	71.40	70.00
1995	73.70	73.90	71.70	68.00	65.70	63.90	61.70	62.60	63.00	65.30	66.90	65.50
1996	63.10	62.00	61.10	58.90	64.40	60.40	64.30	65.70	68.10	68.70	68.90	66.00
Calves												
Dollars Per Cwt												
1986	66.10	67.00	66.90	61.90	60.80	59.80	63.00	63.00	65.80	67.30	66.40	68.10
1987	73.20	77.10	77.80	80.10	79.10	78.40	74.20	80.50	93.80	87.20	89.00	89.10
1988	94.20	97.00	98.30	93.50	94.00	88.70	89.30	88.90	94.20	92.70	91.50	93.40
1989	92.80	97.10	94.60	90.90	87.40	89.70	93.00	99.70	96.10	93.50	91.00	94.30
1990	96.40	100.00	100.00	102.00	103.00	102.00	106.00	101.00	101.00	98.70	100.00	102.00
1991	104.00	107.00	113.00	112.00	114.00	109.00	106.00	100.00	102.00	99.20	98.00	94.70
1992	95.40	101.00	105.00	99.10	97.10	99.70	98.00	102.00	97.30	92.50	94.00	97.70
1993	103.00	104.00	107.00	107.00	107.00	106.00	108.00	100.00	101.00	99.50	98.50	98.30
1994	103.00	103.00	104.00	101.00	98.50	92.90	92.50	90.00	82.10	81.20	84.40	85.50
1995	89.30	88.20	85.90	81.10	79.20	79.20	70.50	70.70	68.50	64.90	64.50	65.40
1996	63.00	62.80	61.80	56.50	58.40	56.70	57.10	59.40	61.70	61.90	63.50	67.30

Prices Received: Monthly averages by commodity, Colorado, 1986-96 (continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
Milk Cows for Dairy Herd Replacement ^{1/}												
Dollars Per Head												
1986	910	...	...	850	...	...	850	...	...	860	...	...
1987	920	...	...	980	...	...	1,020	...	...	1,100	...	...
1988	1,080	...	...	1,080	...	...	1,070	...	...	1,020	...	...
1989	1,030	...	...	1,100	...	...	1,100	...	...	1,100	...	...
1990	1,080	...	...	1,100	...	...	1,200	...	...	1,250	...	...
1991	1,180	...	...	1,150	...	...	1,170	...	...	1,150	...	...
1992	1,100	...	...	1,150	...	...	1,200	...	...	1,150	...	...
1993	1,170	...	...	1,200	...	...	1,230	...	...	1,200	...	...
1994	1,240	...	...	1,230	...	...	1,210	...	...	1,190	...	...
1995	1,160	...	...	1,180	...	...	1,180	...	...	1,170	...	...
1996	1,110	...	...	1,170	...	...	1,160	---	...	1,200	...	...
Milk Sold to Plants												
Dollars Per Cwt												
1986	14.00	13.80	13.60	13.40	13.10	13.00	12.80	13.10	13.60	14.10	14.20	14.10
1987	14.10	13.90	13.90	13.30	12.80	12.70	12.70	13.00	13.60	13.80	13.90	13.80
1988	13.90	13.60	13.30	12.80	11.70	12.20	11.90	12.80	13.50	14.00	14.50	14.80
1989	14.80	14.60	14.10	13.80	13.70	13.70	13.80	14.60	15.20	15.70	16.00	16.60
1990	16.60	15.70	14.90	14.10	14.20	14.20	14.50	14.90	14.90	14.00	13.50	12.10
1991	12.30	12.30	11.90	11.80	11.60	11.80	12.30	12.80	13.40	13.90	14.10	14.20
1992	13.90	13.30	12.90	12.90	13.00	13.50	13.70	13.90	14.10	13.90	13.20	13.00
1993	12.50	12.40	12.30	12.80	13.20	13.20	13.10	12.60	12.80	13.40	14.00	13.90
1994	14.40	14.10	14.10	14.20	13.60	13.30	12.60	12.70	13.10	13.60	13.70	13.50
1995	13.10	13.10	13.20	13.00	12.60	12.20	12.20	12.40	12.60	13.40	13.80	13.90
1996	14.10	13.90	13.80	14.00	14.20	14.50	15.10	15.50	16.20	15.90	14.90	13.70
Sheep												
Dollars Per Cwt												
1986	32.70	23.90	31.80	23.60	18.40	22.90	28.00	30.40	31.40	27.30	27.70	33.60
1987	33.30	42.40	31.40	29.30	25.70	25.50	25.60	37.80	37.70	28.00	31.30	29.40
1988	35.10	35.80	31.10	29.60	18.20	22.90	24.80	22.20	23.20	23.50	25.10	27.30
1989	41.20	36.70	36.30	30.90	13.80	21.30	22.80	21.60	22.00	23.40	28.10	32.70
1990	36.10	35.90	28.20	22.10	18.40	22.30	24.20	23.00	18.20	17.40	22.70	24.20
1991	24.70	23.50	26.30	24.30	20.30	24.90	23.20	23.50	21.80	18.70	19.50	22.30
1992	24.50	27.90	35.70	30.40	24.70	22.80	25.30	27.30	25.90	24.00	24.90	28.10
1993	29.70	35.70	33.90	27.40	29.30	30.20	29.40	29.90	26.30	23.30	27.00	31.10
1994	30.20	34.40	34.50	29.60	26.90	31.00	27.60	28.80	27.30	25.20	26.20	35.40
1995	30.50	32.00	30.20	29.20	25.40	27.10	29.00	28.10	25.30	24.20	23.20	26.40
1996	35.60	33.80	33.50	29.80	26.30	25.90	33.70	30.60	31.60	29.40	31.60	28.70
Lambs												
Dollars Per Cwt												
1986	61.30	66.30	61.00	68.90	76.80	73.90	73.10	70.10	67.20	58.60	73.80	71.30
1987	75.60	73.60	78.10	81.80	88.00	84.50	77.60	75.70	73.50	65.00	61.80	74.30
1988	79.60	76.80	74.20	66.20	67.30	59.00	60.60	60.40	65.90	66.40	67.60	66.40
1989	64.60	65.60	70.20	68.70	70.10	70.90	69.40	66.10	65.40	57.10	53.50	53.20
1990	51.00	52.60	63.90	60.90	52.70	53.20	53.50	55.60	56.20	55.90	53.20	50.00
1991	48.60	45.30	50.90	54.40	57.80	57.40	60.70	56.80	55.70	55.30	53.30	53.30
1992	53.20	53.60	62.20	68.30	69.60	67.50	64.60	58.30	58.40	56.30	58.20	65.10
1993	66.10	72.20	78.60	70.60	60.40	51.30	51.10	55.70	65.40	65.10	67.10	68.40
1994	61.20	58.50	60.10	55.40	50.10	58.30	75.40	81.90	79.20	76.60	75.80	73.80
1995	70.30	70.30	75.10	75.30	79.50	88.10	89.90	90.30	86.60	81.80	79.80	78.50
1996	76.20	83.00	85.90	85.70	88.80	104.00	103.00	92.50	91.20	88.00	84.20	86.10

^{1/} Includes springer heifers.

1996 LIVESTOCK REVIEW

SUMMARY - Colorado farmers and ranchers had 2 percent more cattle and calves on hand as of January 1, 1997 and 7 percent more sheep and lambs than they did one year earlier. The December 1, 1996 inventory of all hogs and pigs was 9 percent larger than a year earlier but the December 1, 1996 inventory of all chickens was down 1 percent. Colorado ranks 10th in the number of all cattle and calves, 4th in the number of all sheep and lambs, 17th in the number of all hogs and pigs, and 26th in the number of all chickens. The state also ranks as the 4th largest cattle feeder with marketings of more than two million head of fed cattle annually in each of the past 15 years. Colorado ranks 2nd in the number of market sheep and lambs and more than one million head of sheep and lambs have been slaughtered in the state in each of the last 17 years. This is the fifth year in a row that the annual hog slaughter has been above 40,000 head.

The state's dairy industry has been very stable for more than 20 years, with an annual average number of milk cows fluctuating between 70 and 84 thousand head. Disease and other problems within the bee industry dropped the number of bee colonies by one third from a year earlier to 30 thousand colonies for 1996. Production dropped 18 percent to 2.2 million pounds. The state's trout producers have sold more than \$2 million of fish of various sizes each year since estimates were begun in 1989.

The total inventory value of the cattle, sheep, hogs, and chickens on hand at the beginning of the year (using the January 1 and December 1 reference dates) was \$1.93 billion, up 13 percent from the comparable value of \$1.71 billion one year earlier. Inventories were larger than a year for each species except chickens, and the value per head was higher than the previous year for each species.

Pasture and range feed conditions were rated mostly fair to good during the month of April 1996. However, mostly dry conditions during the month resulted in generally lower pasture and range feed conditions by early May. Condition remained mostly fair to poor through most of the month. Beneficial moisture late in the month improved conditions to mostly good to fair by early June. Continued dry conditions across the southern portions of the state were offset by improved moisture supplies in other areas during June so that overall pasture and range feed conditions remained mostly good to fair as of July 1. Frequent thunderstorms, especially across eastern areas of the state, helped maintain range feed condition during August and through September. This moisture also helped maintain pasture and range feed conditions in the mostly good to fair categories into October which was mostly on the dry side. Higher elevation areas received snow cover in early October, bringing an end to the 1996 grazing season in those areas.

CATTLE AND CALVES - The January 1, 1997 inventory of all cattle and calves increased 2 percent from a year earlier to 3.15 million head. The number of cattle and calves in feedlots being fed for the slaughter market increased 6 percent to 1.13 million head and accounted for 36 percent of the state's total inventory. During 1996, there were 285 feedlots of all sizes in operation in Colorado. Those feedlots marketed 2.32 million head of fed cattle for the slaughter market compared with 2.46 million marketed from 290 lots in 1995. The 18 largest feedlots marketed 69 percent of the annual total in 1996. The number of beef cows, at 826,000 head, declined 12,000 head from the previous year while the number of milk cows increased 2,000 head from 1996 to 84,000 head on hand at the beginning of 1997.

There were 910,000 heifers 500 pounds and over on hand at the beginning of 1997, unchanged from the previous year. Of that total, 155,000 were being kept for beef cow replacement (down 3 percent from last year) and 45,000 head were being kept for milk cow replacement (unchanged from 1996). The remaining 710,000 were other heifers (up 1 percent from the previous year) of which 490,000 were being fed for the slaughter market in feedlots with a capacity of 1,000 head or larger. The January 1, 1997 inventory also included 1,030,000 head of steers weighing 500 pounds or more (up 6 percent from the previous year) of which 605,000 were in feedlots with a capacity of 1,000 head or larger. Of the 1,130,000 head of cattle on feed, 1,110,000 head were in feedlots with a capacity of 1,000 head or larger. The number of bulls weighing 500 pounds or more was unchanged from the previous year at 50,000 head. The number of calves (steers, heifers, and bulls weighing under 500 pounds), at 250,000 head, was also unchanged from the previous year. The 1996 calf crop in Colorado totaled 870,000 head, 1 percent larger than the 1995 crop of 860,000 head.

Milk production during 1996, at 1.63 billion pounds, was up 5 percent from the previous year to a new record high. The annual average number of milk cows on hand increased by 1,000 head to 84,000 thousand for 1996. Producers obtained a new record high average production of 19,440 pounds per cow in 1996.

The total inventory value of all cattle and calves in Colorado as of January 1, 1997 was estimated at just under \$1.80 billion, 11 percent higher than the \$1.61 billion inventory value for January 1, 1996. The average value of \$570 per head represented an increase of \$50 per head from the previous year. The number of operations with cattle at any time during 1996, at 12,500, was down 500 from the previous year. The number of beef cow operations declined 500 from a year earlier to 9,500 and the number of milk cow operations declined 100 from 1995 to 900 for 1996.

SHEEP AND LAMBS - The January 1, 1997 inventory of all sheep and lambs in Colorado increased 7 percent from the previous year to 575,000 head. The classification of "Sheep on Feed" was broadened in 1996 to "Market Sheep and Lambs." This change will show not only the sheep and lambs in feedlots but also the number of sheep and lambs intended for shipment to market but not currently on feed. The stock sheep category was changed to "Total Breeding Sheep and Lambs." Sheep inventory estimates prior to 1996 did not include new crop lambs. Beginning with the 1996 report, new crop lambs are included in the inventory.

The total breeding sheep and lamb inventory as of January 1, 1997 was up 2 percent to 250,000 and the number of market sheep and lambs increased 12 percent to 325,000 head. The number of ewes one year old and older, at 210,000, was unchanged from January 1, 1996 and the number of rams one year old and older, at 7,000 head, was also unchanged. The number of replacement lambs less than one year of age increased 18 percent from a year earlier to 33,000 head. The 1996 lamb crop of 240,000 head was unchanged from the number born in 1995 but was 6 percent below the 255,000 head born in 1994.

On January 1, 1997, the 325,000 head of market sheep and lambs consisted of 3,000 sheep and 322,000 lambs. The 322,000 head of market lambs were estimated to be in the following weight groups: 4,000 head weighing less than 65 pounds, 43,000 head in the 65 through 84 pound category, 100,000 head in the 85 through 105 pound category, and 175,000 head weighing more than 105 pounds.

The January 1, 1997 inventory value of all sheep and lambs in Colorado was estimated at \$60.38 million, up 28 percent from a year earlier. The increased inventory value was bolstered by both the larger inventory and a higher value per head. The average value of \$105.00 per head was \$17.00 higher than the previous year. The number of operations in the state with sheep, at 1,300, held even with the previous year after several years of steady decline. During the 1980's, the number of operations for each year fluctuated between 2,200 and 2,600. Since 1988, the number of operations has dropped from 100 to 300 each year until 1996.

HOGS AND PIGS - The December 1, 1996 inventory of all hogs and pigs in Colorado was 630,000 head. This was a 9 percent increase over the December 1, 1995 level and the largest inventory number since 1944. Except for 1992 when the inventory was the same as the previous year, inventories have increased each year since 1987. The December 1, 1986 inventory number of 190,000 head of all hogs and pigs was the lowest since 1965 when 169,000 head were on hand as of December 1 of that year. The December 1, 1996 breeding hog inventory increased 13 percent from a year earlier to 135,000 head. The market hog inventory of 495,000

head increased 8 percent. The state's total pig crop for 1996, at 1,434,000, was up 28 percent from the 1995 pig crop of 1,124,000 head.

The number of sows farrowed during 1996 increased 22 percent from the previous year. Producers averaged nearly 8.6 pigs weaned per litter for the year.

The December 1, 1996 inventory value of all hogs and pigs was placed at \$63.0 million, 37 percent higher than a year earlier. The average value, at \$100.00 per head, increased \$21.00 per head from a year earlier. The number of operations with hogs during 1996 declined 300 from a year earlier to 1,100. As with numerous other states, the number of hogs and pigs are being concentrated in fewer, but larger, operations.

CHICKENS AND EGGS - The all chicken inventory in Colorado as of December 1, 1996 totaled 4.08 million birds, down just 1 percent from the 4.13 million on hand one year earlier. The total number of layers increased 7 percent to 3.34 million. Of that total, 1.81 million were one year old and older (up 23 percent) and 1.53 million were less than one year of age (down 6 percent). The total inventory also included 320,000 pullets 13 to 20 weeks of age, 280,000 pullets less than 13 weeks of age, and 137,000 other chickens. During the period from December 1, 1995 through November 30, 1996, the state's laying flocks produced 827 million eggs, up 3 percent from the 805 million eggs produced a year earlier.

The total inventory value of all chickens was \$8.57 million, up 9 percent from a year earlier as a 11 percent increase in the value per head more than offset the slightly smaller inventory. The average value per bird was \$2.10, up 20 cents from the December 1, 1995 average.

BEEES AND HONEY - Honey production in Colorado during 1996 totaled 2.2 million pounds, down 18 percent from 1995. The number of colonies dropped one-third from the previous year to 30,000. The yield per colony increased from 60 pounds in 1995 to 74 pounds in 1996. The 1996 honey crop was valued at \$1.75 million compared with \$1.97 million for the 1995 crop. Producers received an average of 79 cents per pound for honey sold in 1996, up 6 cents from a year earlier. Producer stocks of honey on hand as of December 15, 1996 totaled 1.13 million pounds, 19 percent lower than a year earlier.

TROUT - There were 36 operations in Colorado during 1996 which had trout sales of \$2.42 million compared with 33 operations with sales of \$2.27 million in 1995. Producers marketed nearly 1.0 million pounds of food size, stocker, and fingerling fish during 1996 and received an average price of \$2.45 per pound. That compares with 1.04 million pounds sold in 1995 at an average price of \$2.17 per pound.

Livestock: Inventory by class, Colorado, January 1, 1990-97

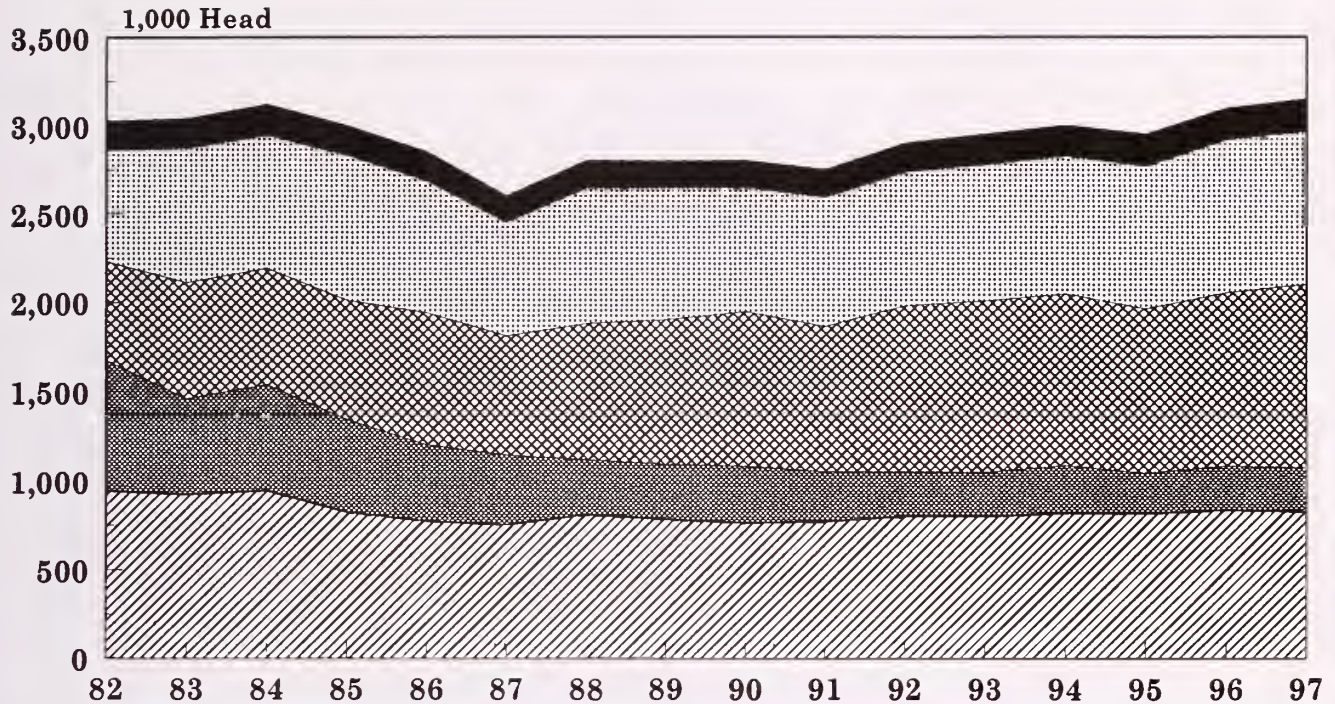
Class	1990	1991	1992	1993	1994	1995	1996	1997
	Thousands							
All cattle and calves	2,800	2,750	2,900	2,950	3,000	2,950	3,100	3,150
All cows & heifers that have calved	840	850	880	880	900	900	920	910
Beef cows & heifers	764	773	803	800	820	817	838	826
Milk cows & heifers	76	77	77	80	80	83	82	84
Heifers 500 lbs & over	730	760	790	810	820	850	910	910
For beef cow replacement	130	140	160	160	160	155	160	155
For milk cow replacement	30	30	35	40	40	45	45	45
Other heifers	570	590	595	610	620	650	705	710
Steers 500 lbs & over	865	812	930	960	960	920	970	1,030
Bulls 500 lbs & over	45	48	50	50	50	50	50	50
Steers, heifers, & bulls under 500 lbs	320	280	250	250	270	230	250	250
Cattle on feed ^{1/}	900	980	930	1,000	1,010	990	1,070	1,130
Calf crop, annual	820	820	820	840	850	860	870	---
All sheep and lambs	840	710	710	660	647	545	535	575
Breeding sheep & lambs	455	460	400	345	320	250	245	250
Ewes one year old & older	375	363	320	280	270	210	210	210
Rams one year old & older	13	13	12	9	9	7	7	7
Replacement lambs	67	84	68	56	41	33	28	33
Market sheep & lambs	385	250	310	315	327	295	290	325
Sheep	<u>4/</u>	<u>4/</u>	<u>4/</u>	3	3	5	2	3
Lambs	<u>4/</u>	<u>4/</u>	<u>4/</u>	312	324	290	288	322
Under 65 Pounds	<u>4/</u>	<u>4/</u>	<u>4/</u>	...	...	5	3	4
65-84 Pounds ^{2/}	<u>4/</u>	<u>4/</u>	<u>4/</u>	38	23.5	35	40	43
85-105 Pounds	<u>4/</u>	<u>4/</u>	<u>4/</u>	186	134.5	115	100	100
Over 105 Pounds	<u>4/</u>	<u>4/</u>	<u>4/</u>	88	166.0	135	145	175
Lamb crop, annual	425	385	350	320	255	240	240	---
All hogs & pigs ^{3/}	230	300	410	410	450	500	580	630
Breeding	35	42	45	55	75	110	120	135
Market	195	258	365	355	375	390	460	495
Under 60 lbs	70	100	125	122	145	170	205	220
60-119 lbs	50	63	85	83	85	80	85	95
120-179 lbs	40	52	80	78	75	70	85	90
180 lbs & over	35	43	75	72	70	70	85	90
Sows farrowed, annual	58	83	84	104	137	137	167	---
December - May	27	41	42	52	65	67	<u>5/</u>	---
June - November	31	42	42	52	72	71	<u>5/</u>	---
Pig crop, annual	481	685	731	877	1,148	1,124	1,434	---
December - May	220	343	367	438	547	546	<u>5/</u>	---
June - November	261	342	364	439	601	586	<u>5/</u>	---
All chickens ^{3/}	3,659	4,372	4,640	4,160	4,040	3,980	4,125	4,080
Total layers	3,126	3,387	3,736	3,460	3,283	2,954	3,114	3,343
One year old & older	1,100	2,002	2,360	1,790	1,678	1,395	1,479	1,813
Less than one year	2,026	1,385	1,376	1,670	1,605	1,559	1,635	1,530
Total pullets	490	915	864	635	690	914	845	600
Pullets 13 to 20 weeks of age	193	297	384	250	353	385	380	320
Pullets less than 13 weeks of age	297	618	480	385	337	529	465	280
Other chickens	43	70	40	65	67	112	166	137

^{1/} Included in other classes. ^{2/} Includes lambs weighing under 65 pounds for 1993 and 1994. ^{3/} December 1 preceding year.

^{4/} Not estimated. ^{5/} Discontinued in 1996.

CATTLE AND CALF INVENTORY

Colorado, January 1, 1982-97



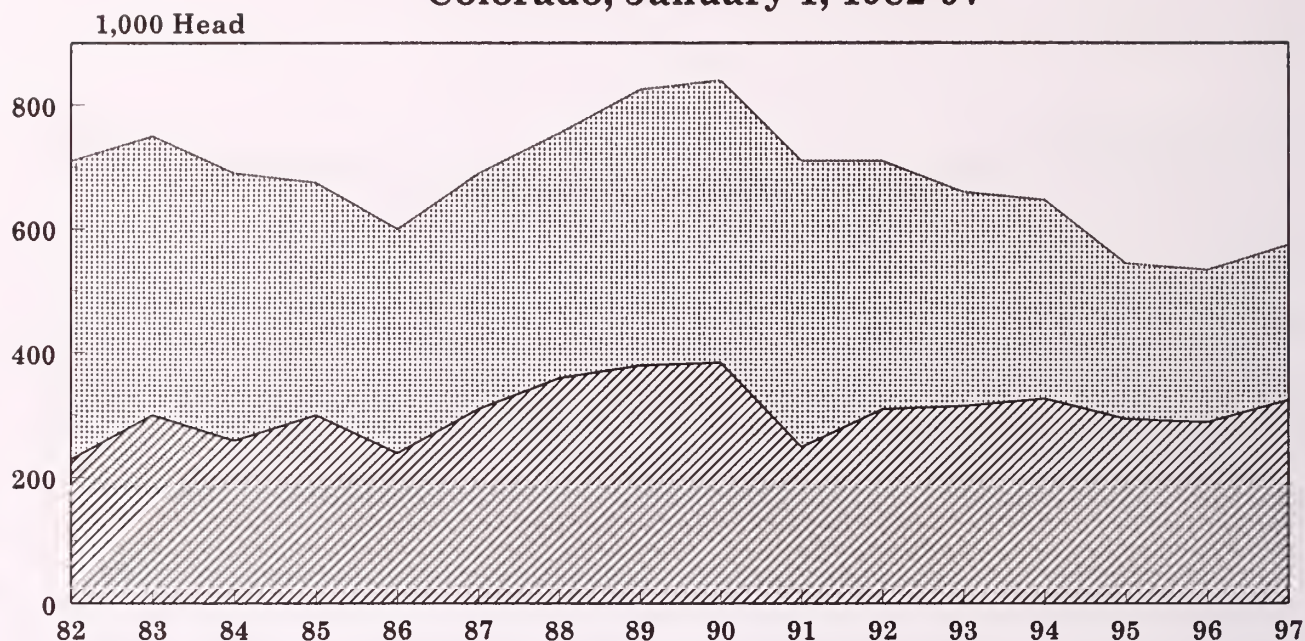
Beef Cows
 Calves Under 500 lbs
 Steers 500 lbs & Over
 Beef Heifers 500 lbs & Over
 Dairy Cattle & All Bulls

Cattle and Calves: Inventory by class, Colorado, January 1, 1978-97

Year	Total	Cows and heifers that have calved		Heifers 500 lbs. and over			Steers 500 lbs. and over	Bulls 500 lbs. and over	Steers heifers, and bulls under 500 lbs.
		Beef	Milk	Beef cow replace- ments	Milk cow replace- ments	Other			
		1,000 Head							
1978	3,180	857	72	127	25	579	766	51	703
1979	3,090	843	72	133	28	578	735	46	655
1980	2,975	853	72	180	33	497	711	54	575
1981	3,125	1,009	71	169	31	516	644	60	625
1982	3,025	945	75	233	36	396	560	51	729
1983	3,040	925	75	150	30	610	655	60	535
1984	3,120	946	77	150	31	602	655	66	593
1985	3,000	825	75	140	30	680	670	60	520
1986	2,850	773	82	100	35	645	740	45	430
1987	2,600	752	78	109	26	530	665	45	395
1988	2,800	812	73	130	35	635	760	45	310
1989	2,800	785	75	140	30	605	810	45	310
1990	2,800	764	76	130	30	570	865	45	320
1991	2,750	773	77	140	30	590	812	48	280
1992	2,900	803	77	160	35	595	930	50	250
1993	2,950	800	80	160	40	610	960	50	250
1994	3,000	820	80	160	40	620	960	50	270
1995	2,950	817	83	155	45	650	920	50	230
1996	3,100	838	82	160	45	705	970	50	250
1997	3,150	826	84	155	45	710	1,030	50	250

SHEEP AND LAMB INVENTORY

Colorado, January 1, 1982-97



▨ Market Sheep & Lambs ▤ Breeding Sheep & Lambs

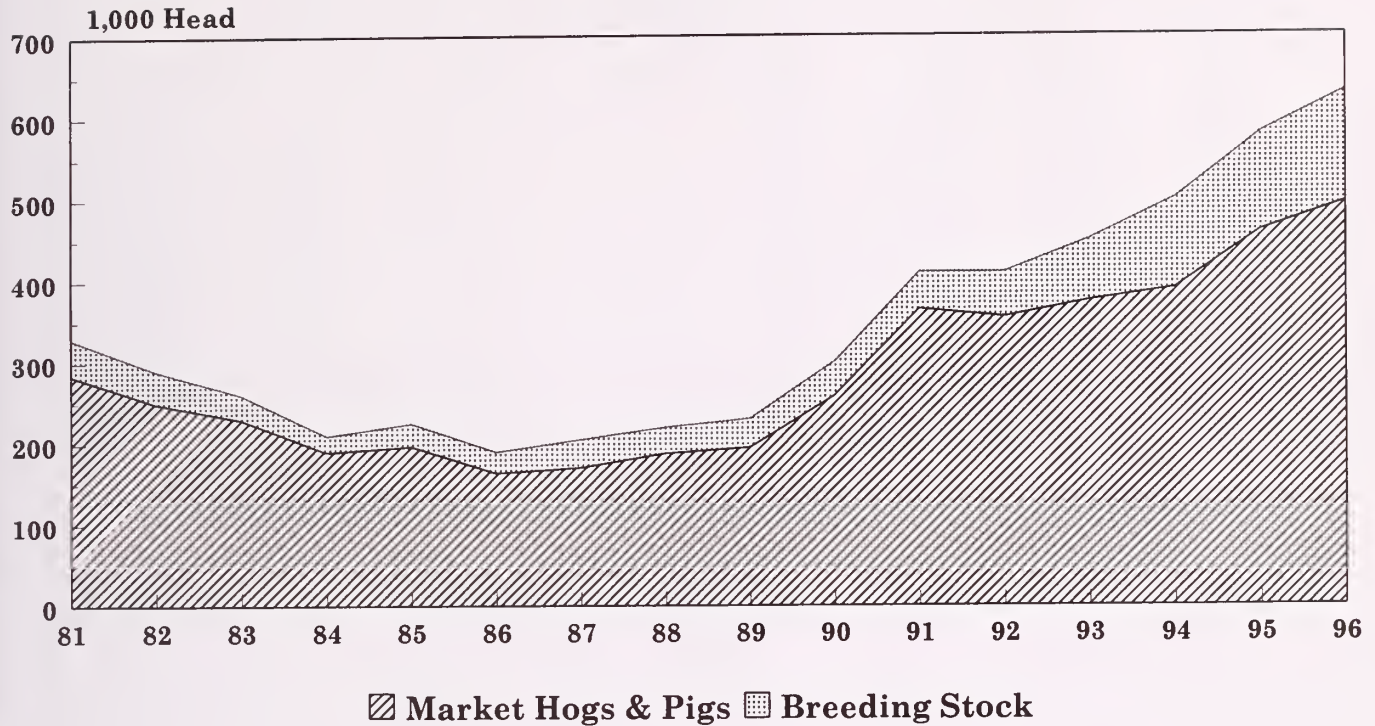
Sheep and Lambs: Inventory by class, Colorado, January 1, 1980-97 ^{1/}

Year	All sheep and lambs	Sheep and lambs on feed	Stock sheep				
			Total	Lambs		One year and older	
				Ewes	Wethers and rams	Ewes	Wethers and rams
	1,000 Head						
1980	870	360	510	66	6	425	13
1981	810	300	510	86	11	400	13
1982	710	230	480	58	14	394	14
1983	750	300	450	58	15	365	12
1984	690	260	430	55	15	350	10
1985	675	300	375	45	10	310	10
1986	600	240	360	45	10	295	10
1987	690	310	380	55	15	300	10
1988	755	360	395	53	11	320	11
1989	825	380	445	64	13	355	13
1990	840	385	455	55	12	375	13
1991	710	250	460	71	13	363	13
1992	710	310	400	56	12	320	12
1993	660	315	345	45	11	280	9
1994	647	327	320	34	7	270	9
Year	All sheep and lambs	Market sheep and lambs	Breeding sheep and lambs				
			Total	Replacement lambs	Ewes 1 year old & older	Rams 1 year old & older	
1993	660	315	345	56	280	9	
1994	647	327	320	41	270	9	
1995	545	295	250	33	210	7	
1996	535	290	245	28	210	7	
1997	575	325	250	33	210	7	

^{1/} Change in class terminology beginning in 1995 with 1993 and 1994 shown for comparability.

HOG AND PIG INVENTORY

Colorado, December 1, 1981-96



Hogs and Pigs: Inventory by class, Colorado, December 1, 1970-96

Year	Total	Breeding	Market			
			Under 60 pounds	60-119 pounds	120-179 pounds	180 lbs & over
	1,000 Head					
1970	339	49	107	78	57	48
1971	340	41	111	76	58	54
1972	350	46	108	78	63	55
1973	340	44	110	77	62	47
1974	325	39	102	78	60	46
1975	290	36	89	66	53	46
1976	280	36	95	62	50	37
1977	320	45	115	65	52	43
1978	330	50	116	66	60	38
1979	430	60	130	94	91	55
1980	310	40	100	60	70	40
1981	330	45	95	75	80	35
1982	290	40	95	70	50	35
1983	260	30	75	55	60	40
1984	210	20	60	50	40	40
1985	225	28	75	45	47	30
1986	190	26	57	47	34	26
1987	205	34	64	37	38	32
1988	220	32	70	48	42	28
1989	230	35	70	50	40	35
1990	300	42	100	63	52	43
1991	410	45	125	85	80	75
1992	410	55	122	83	78	72
1993	450	75	145	85	75	70
1994	500	110	170	80	70	70
1995	580	120	205	85	85	85
1996	630	135	220	95	90	90

Hogs: Number of sows farrowed, pigs per litter, and pig crop, Colorado, 1988-96

Year	December - May			June - November			Annual		
	Sows farrowed	Pigs Per litter	Pigs saved	Sows farrowed	Pigs Per litter	Pigs saved	Sows farrowed	Pigs Per litter	Pigs saved
	1,000 Head	Number	1,000 Head	1,000 Head	Number	1,000 Head	1,000 Head	Number	1,000 Head
1988	23	8.0	185	23	8.3	192	46	8.2	377
1989	24	8.2	197	25	7.9	197	49	8.0	394
1990	27	8.1	220	31	8.4	261	58	8.3	481
1991	41	8.4	343	42	8.1	342	83	8.3	685
1992	42	8.7	367	42	8.7	364	84	8.7	731
1993	52	8.4	438	52	8.4	439	104	8.4	877
1994	65	8.4	547	72	8.3	601	137	8.4	1,148
1995	<u>1/</u>	<u>1/</u>	<u>1/</u>	<u>1/</u>	<u>1/</u>	<u>1/</u>	137	8.2	1,124
1996	<u>1/</u>	<u>1/</u>	<u>1/</u>	<u>1/</u>	<u>1/</u>	<u>1/</u>	167	8.6	1,434

1/ Discontinued.

Sheep: Shipments into Colorado from selected states and Canada, 1990-96

State	1990	1991	1992	1993	1994	1995	1996
	Head						
California	146	1,823	82	701	118	<u>2/</u>	<u>2/</u>
Idaho	5,376	99	1,141	96	1,313	<u>2/</u>	<u>2/</u>
Kansas	35	51	126	78	151	<u>2/</u>	<u>2/</u>
Montana	57,979	93,204	94,869	65,177	37,718	<u>2/</u>	<u>2/</u>
Nebraska	4,473	1,643	663	270	431	<u>2/</u>	<u>2/</u>
New Mexico	3,086	14,882	12,084	12,784	13,316	<u>2/</u>	<u>2/</u>
North Dakota	31,251	50,754	51,909	32,551	26,113	<u>2/</u>	<u>2/</u>
Oklahoma	46	39	112	177	60	<u>2/</u>	<u>2/</u>
South Dakota	51,642	28,667	31,923	29,392	9,737	<u>2/</u>	<u>2/</u>
Texas	9,451	2,618	3,705	24,756	49,894	<u>2/</u>	<u>2/</u>
Utah	16,457	6,471	5,614	2,447	6,111	<u>2/</u>	<u>2/</u>
Wyoming	75,305	100,350	104,480	112,842	63,580	<u>2/</u>	<u>2/</u>
Other states	2,662	2,686	874	1,469	761	<u>2/</u>	<u>2/</u>
Canada	14	4,751	4,911	2,474	3,462	<u>2/</u>	<u>2/</u>
Total <u>1/</u>	257,923	308,038	312,493	285,214	212,765	<u>2/</u>	<u>2/</u>

1/ Receipts as tabulated from State Veterinarian Health Certificates, including both direct and terminal market receipts.

2/ Tabulation from State Veterinarian discontinued.

Wool: Production and value, Colorado, 1987-96 1/

Year	All sheep shorn	Weight per fleece	Production	Price per pound	Total value
	1,000 Head	Pounds	1,000 Pounds	Dollars	1,000 Dollars
1987	818	6.8	5,572	.93	5,182
1988	960	6.6	6,330	1.40	8,862
1989	824	7.7	6,344	1.34	8,501
1990	770	7.4	5,698	.71	4,046
1991	769	7.4	5,724	.52	2,976
1992	758	7.9	5,954	.74	4,406
1993	725	7.2	5,199	.50	2,600
1994	635	7.3	4,607	.72	3,317
1995	540	7.3	3,960	1.09	4,316
1996	605	7.1	4,318	.73	3,152

1/ Includes wool shorn from stock sheep and from sheep and lambs on feed.

Cattle and Calves: Production, disposition and value, Colorado, 1986-96

Year	Calf crop	Inship-ments	Marketings ^{1/}		Farm slaughter	Deaths	Production	Marketings ^{2/}	Cash receipts	Value of home consumption
			Cattle	Calves						
	1,000 Head		1,000 Head		1,000 Head		1,000 Pounds		1,000 Dollars	
1986	785	2,150	2,937	125	3	120	1,750,930	3,290,360	1,878,955	5,549
1987	800	2,260	2,607	125	3	125	1,682,990	2,889,770	1,912,404	7,735
1988	810	2,300	2,870	115	5	120	1,627,700	3,064,750	2,179,576	8,562
1989	810	2,050	2,630	112	3	115	1,662,840	2,948,980	2,166,046	7,225
1990	820	2,180	2,835	107	3	105	1,613,490	3,002,730	2,363,981	6,805
1991	820	2,000	2,480	87	3	100	1,712,750	2,826,010	2,135,938	5,788
1992	820	2,145	2,710	97	3	105	1,895,115	3,143,945	2,336,630	4,920
1993	840	2,195	2,780	102	3	100	1,937,690	3,225,440	2,485,036	5,242
1994	850	2,025	2,715	107	3	100	1,912,177	3,203,770	2,224,165	6,285
1995	860	2,245	2,745	103	2	105	2,010,799	3,340,140	2,164,531	4,858
1996	870	2,150	2,745	108	2	115	2,006,956	3,353,120	2,071,753	4,534

^{1/} Includes custom slaughter for use on farms where produced, but excludes interfarm sales within the state.

^{2/} Liveweight. Excludes custom slaughter for use on farms where produced and interfarm sales within the state.

Sheep and Lambs: Production, disposition and value, Colorado, 1986-96

Year	Lamb crop	Inship-ments	Marketings ^{1/}		Farm slaughter	Deaths	Production	Marketings ^{2/}	Cash receipts	Value of home consumption
			Sheep	Lambs						
	1,000 Head		1,000 Head		1,000 Head		1,000 Pounds		1,000 Dollars	
1986	350	360	92	446	2	80	49,539	67,839	40,725	165
1987	330	380	34	548	3	60	48,751	70,347	50,451	359
1988	360	800	69	972	4	45	77,994	126,180	82,260	377
1989	400	1,045	70	1,298	2	60	93,637	165,362	101,302	268
1990	425	770	91	1,157	2	75	83,044	151,340	78,469	244
1991	385	940	143	1,110	2	70	84,353	152,980	76,283	242
1992	350	980	130	1,176	3	71	83,009	159,201	91,097	269
1993	320	995	76	1,190	2	62	81,211	153,320	94,380	219
1994	255	973	108	1,149	3	70	71,356	152,340	94,613	306
1995	240	957	68	1,072	2	65	68,453	137,700	104,808	265
1996	240	968	48	1,063	2	55	69,299	133,920	114,627	295

^{1/} Includes custom slaughter for use on farms where produced, but excludes interfarm sales within the state.

^{2/} Liveweight. Excludes custom slaughter for use on farms where produced and interfarm sales within the state.

Hogs and Pigs: Production, disposition and value, Colorado, 1986-96

Year	Pig crop (pigs saved)			Inship-ments	Market-ings ^{1/}	Farm slaughter	Deaths	Production	Market-ings ^{2/}	Cash receipts	Value of home consumption
	Spring	Fall	Total								
	1,000 Head			1,000 Head		1,000 Head		1,000 Pounds		1,000 Dollars	
1986	185	146	331	5	343	1	27	73,549	76,803	39,490	354
1987	164	156	320	19	302	2	20	71,795	68,014	36,638	742
1988	185	192	377	10	342	1	29	78,859	78,373	34,973	210
1989	197	197	394	25	387	1	21	88,763	89,118	39,531	425
1990	220	261	481	30	420	1	20	98,168	94,608	52,848	402
1991	343	342	685	20	559	1	35	142,665	129,980	67,741	750
1992	367	364	731	29	724	1	35	168,135	168,435	73,999	516
1993	438	439	877	23	821	1	38	190,885	187,650	88,994	470
1994	547	601	1,148	30	1,087	1	40	233,096	226,190	94,129	619
1995	546	586	1,124	40	1,013	1	70	237,518	232,765	106,203	715
1996	3/	3/	1,434	50	1,378	1	55	304,305	303,915	174,293	788

^{1/} Includes custom slaughter for use on farms where produced, but excludes interfarm sales within the state.

^{2/} Liveweight. Excludes custom slaughter for use on farms where produced and interfarm sales within the state.

^{3/} Discontinued.

Livestock slaughter by species, Colorado, 1991-96 1/

Year	Cattle			Calves		
	Number slaughtered	Total liveweight	Average liveweight	Number slaughtered	Total liveweight	Average liveweight
	Head	1,000 Pounds	Pounds	Head	1,000 Pounds	Pounds
1991	2,235,600	2,634,504	1,178	<u>2/</u>	<u>2/</u>	<u>2/</u>
1992	2,451,500	2,938,124	1,199	<u>2/</u>	<u>2/</u>	<u>2/</u>
1993	2,441,000	2,915,435	1,194	<u>2/</u>	<u>2/</u>	<u>2/</u>
1994	2,419,600	2,963,829	1,225	<u>2/</u>	<u>2/</u>	<u>2/</u>
1995	2,569,200	3,099,454	1,206	<u>2/</u>	<u>2/</u>	<u>2/</u>
1996	2,571,100	3,106,488	1,208	<u>2/</u>	<u>2/</u>	<u>2/</u>
	Sheep and Lambs			Hogs		
1991	1,559,000	219,110	141	37,900	8,939	236
1992	1,623,700	224,639	138	48,500	11,405	235
1993	1,564,100	219,249	140	51,600	12,594	244
1994	1,566,500	210,351	134	54,000	12,954	240
1995	1,548,300	206,624	133	53,000	13,151	248
1996	1,546,900	208,947	135	48,400	10,895	225

1/ Excludes farm slaughter.

2/ Less than 50 head.

Livestock slaughter by species, by month, Colorado, 1991-96 1/

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
	1,000 Head											
	Cattle											
1991 ...	167.2	163.0	162.0	174.3	202.6	208.5	216.4	210.5	188.2	200.6	165.1	177.1
1992 ...	215.0	195.1	204.0	195.1	202.2	225.3	221.5	205.8	213.1	207.0	177.9	189.5
1993 ...	202.8	190.1	213.7	195.3	188.1	235.3	220.5	212.5	210.8	198.6	176.8	196.5
1994 ...	213.3	186.1	201.8	189.4	191.4	216.5	199.0	209.2	205.8	193.7	198.0	215.5
1995 ...	208.9	179.0	210.1	177.3	221.0	240.5	224.4	239.0	228.1	223.1	212.0	205.9
1996 ...	224.4	206.0	201.7	219.6	230.8	229.2	220.6	225.0	190.3	209.9	199.2	214.4
	Calves											
1991 ...	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>
1992 ...	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>
1993 ...	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>
1994 ...	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>
1995 ...	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>
1996 ...	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>
	Sheep and Lambs											
1991 ...	141.5	124.8	140.4	120.1	127.3	111.0	132.3	125.2	130.3	141.7	126.1	138.1
1992 ...	137.7	134.0	148.7	156.0	116.8	128.3	124.1	106.1	141.8	139.7	133.3	157.3
1993 ...	132.1	123.1	142.9	141.2	125.3	148.3	115.4	116.9	124.8	120.9	130.7	142.5
1994 ...	124.1	144.8	174.7	132.3	154.4	128.1	79.2	100.2	121.1	126.5	138.5	142.6
1995 ...	126.0	122.5	156.1	149.1	130.1	124.1	109.3	124.7	130.1	120.7	125.5	130.1
1996 ...	136.8	138.1	157.1	140.5	119.2	103.3	120.4	112.8	114.8	138.9	129.3	135.7
	Hogs											
1991 ...	2.7	2.5	2.7	2.7	2.6	2.5	3.0	4.7	3.7	3.5	3.4	3.9
1992 ...	3.9	3.3	3.5	3.7	3.3	3.5	3.7	5.6	5.0	4.6	4.0	4.4
1993 ...	3.8	3.5	4.2	3.9	3.7	4.0	4.4	6.0	5.1	4.4	4.3	4.4
1994 ...	4.2	3.6	4.1	3.6	4.0	4.2	4.0	6.6	5.1	4.9	4.9	4.8
1995 ...	4.8	3.9	4.0	3.7	4.1	4.2	4.1	6.4	4.9	4.7	4.3	4.1
1996 ...	4.3	3.7	3.5	3.7	3.7	3.6	4.3	5.9	4.3	4.2	3.3	3.9

1/ Excludes farm slaughter.

2/ Less than 50 head.

Stocker and Feeder Cattle: Shipments into Colorado from other states and countries, 1989-96 1/

State	1989	1990	1991	1992	1993	1994	1995	1996
	Head							
Alabama	14,786	19,588	14,475	11,479	7,570	8,659	2/	2/
Arizona	20,790	38,251	32,921	41,880	62,473	48,108	2/	2/
Arkansas	27,145	24,587	23,943	19,097	19,046	11,936	2/	2/
California	63,733	90,417	82,496	104,814	117,121	101,542	2/	2/
Idaho	65,795	53,787	57,747	74,216	62,527	61,690	2/	2/
Iowa	9,522	11,545	8,985	3,176	3,583	2,532	2/	2/
Kansas	260,064	259,709	265,670	232,415	249,405	233,228	2/	2/
Kentucky	41,363	66,109	46,669	55,546	56,681	53,283	2/	2/
Mississippi	28,591	32,033	37,524	25,210	25,696	20,671	2/	2/
Missouri	35,429	35,819	20,759	21,501	20,847	21,890	2/	2/
Montana	93,408	111,342	101,223	146,095	116,657	111,588	2/	2/
Nebraska	177,848	161,561	112,165	139,499	120,012	127,585	2/	2/
Nevada	51,276	29,998	41,724	34,868	27,002	23,635	2/	2/
New Mexico	61,061	62,699	119,190	131,434	168,223	158,207	2/	2/
North Dakota	32,696	28,454	14,847	38,926	34,978	32,498	2/	2/
Oklahoma	258,114	276,161	259,145	268,329	261,466	280,955	2/	2/
Oregon	32,306	26,282	22,010	20,954	23,103	16,058	2/	2/
South Dakota	44,433	49,091	39,484	60,577	59,488	63,305	2/	2/
Tennessee	2,616	9,758	7,987	8,589	5,188	8,048	2/	2/
Texas	315,805	345,056	292,432	237,614	277,458	195,323	2/	2/
Utah	109,869	96,647	83,159	108,085	121,872	117,381	2/	2/
Washington	2,263	1,159	1,547	1,774	3,991	5,387	2/	2/
Wyoming	240,068	233,215	220,946	248,245	238,259	231,831	2/	2/
Other states	20,021	39,377	24,599	29,469	32,795	24,547	2/	2/
Canada	15,640	34,915	34,983	49,140	59,580	33,134	2/	2/
Mexico	8,894	21,782	11,864	15,126	4,077	4,232	2/	2/
Total	2,033,536	2,159,342	1,978,494	2,128,058	2,179,098	1,997,253	2/	2/

1/ Receipts as tabulated from State Veterinarian Health Certificates; includes both direct and terminal market receipts but excludes any cattle going to slaughter market or plants.

2/ Tabulation from State Veterinarian discontinued 1995.

Feedlots: Number by size of feedlot, Colorado, 1986-96

Feedlot capacity	Number of lots										
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Under 1,000 head	130	140	133	130	119	119	120	118	118	123	119
1,000-1,999	55	50	51	49	54	60	61	62	61	51	48
2,000-3,999	55	55	48	54	50	49	48	51	47	45	44
4,000-7,999	24	30	29	29	27	32	31	28	27	29	32
8,000-15,999	18	16	16	14	18	19	17	18	19	23	24
16,000-31,999	12	11	9	10	9	9	10	11	11	11	10
32,000 and over	6	8	9	9	8	7	8	7	7	8	8
Total all feedlots	300	310	295	295	285	295	295	295	290	290	285

Fed Cattle Marketings: Number marketed by size of feedlot, Colorado, 1986-96

Feedlot capacity	Marketed for slaughter										
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
	1,000 Head										
Under 1,000 head	70	45	45	35	40	40	35	40	44	39	45
1,000-1,999	115	90	95	75	70	70	75	80	71	60	55
2,000-3,999	225	200	185	205	180	130	130	140	130	125	85
4,000-7,999	295	265	265	250	250	240	240	280	250	200	175
8,000-15,999	270	310	260	210	290	360	240	260	270	320	360
16,000-31,999	415	445	325	425	325	290	400	400	475	510	440
32,000 and over	900	895	1,210	1,100	1,030	1,040	1,090	1,140	1,130	1,210	1,160
Total all feedlots	2,290	2,250	2,385	2,300	2,185	2,170	2,210	2,340	2,370	2,464	2,320

**Cattle and Calves: Number on feed, placements, marketings and other disappearance, by month,
Colorado, 1987-1997 1/ 2/**

Month	Year										
	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
	1,000 Head										
January											
Number on feed, January 1	920	940	885	900	980	905	970	981	966	1,050	1,110
Placed on feed during January	170	170	180	210	160	158	184	169	218	180	260
Marketed during January	270	240	230	220	215	194	219	220	226	225	310
Other disappearance during January ...	10	5	10	10	10	10	10	5	10	5	10
February											
Number on feed, February 1	810	865	825	880	915	859	925	925	948	1,000	1,050
Placed on feed during February	175	185	230	170	180	207	154	164	239	215	260
Marketed during February	200	245	225	210	190	204	199	186	221	220	245
Other disappearance during February ..	10	15	15	10	10	10	5	5	5	5	5
March											
Number on feed, March 1	775	790	815	830	895	852	875	898	961	990	1,060
Placed on feed during March	195	250	315	250	230	229	224	234	248	240	210
Marketed during March	195	210	205	175	180	186	199	200	213	195	165
Other disappearance during March	10	15	10	5	15	10	5	10	10	5	15
April											
Number on feed, April 1	765	815	915	900	930	885	895	922	986	1,030	1,090
Placed on feed during April	210	185	190	155	175	164	139	164	178	130	155
Marketed during April	165	170	165	160	180	171	164	165	161	155	180
Other disappearance during April	10	10	15	10	10	15	10	5	5	5	15
May											
Number on feed, May 1	800	820	925	885	915	863	860	916	998	1,000	1,050
Placed on feed during May	220	275	185	150	190	179	194	139	194	85	---
Marketed during May	135	180	180	170	170	157	169	154	180	185	---
Other disappearance during May	15	15	15	10	10	5	10	10	10	10	---
June											
Number on feed, June 1	870	900	915	855	925	880	875	891	1,002	890	---
Placed on feed during June	95	120	110	110	115	109	154	139	149	80	---
Marketed during June	190	190	180	185	170	169	203	169	230	215	---
Other disappearance during June	15	5	10	10	10	5	10	5	5	5	---
July											
Number on feed, July 1	760	825	835	770	860	815	816	856	916	750	---
Placed on feed during July	100	95	100	120	125	114	179	209	169	145	---
Marketed during July	210	210	200	210	180	199	213	212	223	230	---
Other disappearance during July	10	5	5	5	5	5	5	5	5	5	---
August											
Number on feed, August 1	640	705	730	675	800	725	777	848	857	660	---
Placed on feed during August	200	190	165	200	135	154	208	254	213	275	---
Marketed during August	210	230	235	195	195	189	208	229	239	220	---
Other disappearance during August	5	5	5	5	10	5	10	5	5	5	---
September											
Number on feed, September 1	625	660	655	675	730	685	767	868	826	710	---
Placed on feed during September	405	355	280	305	240	352	319	311	312	405	---
Marketed during September	195	215	180	185	190	199	199	219	199	150	---
Other disappearance during September ..	5	5	5	5	10	5	5	5	5	5	---
October											
Number on feed, October 1	830	795	750	790	770	833	882	955	934	960	---
Placed on feed during October	335	280	345	350	330	301	273	272	273	275	---
Marketed during October	175	165	190	180	185	184	189	203	184	150	---
Other disappearance during October	10	10	5	10	10	5	5	5	5	5	---
November											
Number on feed, November 1	980	900	900	950	905	945	961	1,019	1,018	1,080	---
Placed on feed during November	165	210	220	225	195	184	219	178	212	195	---
Month Marketed during November	135	140	150	150	165	159	179	188	194	160	---
Other disappearance during November ..	15	15	10	15	10	5	10	5	5	5	---
December											
Number on feed, December 1	995	955	960	1,010	925	965	991	1,004	1,031	1,110	---
Placed on feed during December	125	140	110	125	160	174	159	153	179	175	---
Marketed during December	170	190	160	145	150	164	159	181	155	170	---
Other disappearance during December ..	10	20	10	10	5	5	10	10	5	5	---

1/ "Other disappearance" includes death losses, movement from feedlots to pastures, and shipments to other feedlots for further feeding.

2/ Beginning January 1992, data is only for feedlots with a capacity of 1,000 head or more.

Cattle: Number Placed On Feed By Weight Group, By Month, 1,000+ Feedlots, Colorado, 1996-97 1/

Year and Weight Group	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct	Nov.	Dec.
1996	1,000 Head											
< 600 Pounds	15	10	10	12	6	8	15	11	18	53	50	32
600-699 Pounds	50	38	40	23	18	10	30	25	34	50	52	58
700-799 Pounds	75	105	110	55	30	31	55	121	160	99	60	50
800 Pounds Plus	40	62	80	40	31	31	45	118	193	73	33	35
Total	180	215	240	130	85	80	145	275	405	275	195	175
1997	1,000 Head											
< 600 Pounds	33	23	24	15	...	...	...	...	...	...	...	...
600-699 Pounds	65	52	32	31	...	...	...	...	...	...	...	...
700-799 Pounds	98	118	95	54	...	...	...	...	...	...	...	...
800 Pounds Plus	64	67	59	55	...	...	...	...	...	...	...	...
Total	260	260	210	155	...	...	...	...	...	...	...	...

1/ Data series began 1996.

Cattle and Calves: Number on feed by class, by quarter, 1,000 + capacity feedlots, Colorado, 1992-97 1/

Year//Month		Number on feed	Classes of cattle on feed			Placements during past 3 months	Marketings during past 3 months	Other disappearance during past 3 months
			Steers and steer calves	Heifers and heifer calves	Cows and others			
Thousand Head								
1992	January 1	905	535	352	18	...	...	...
	April 1	885	550	320	15	594	584	30
	July 1	815	492	293	30	452	497	25
	October 1	833	515	283	35	620	587	15
1993	January 1	970	580	370	20	659	507	15
	April 1	895	565	320	10	562	617	20
	July 1	816	432	354	30	487	536	30
	October 1	882	555	317	10	706	620	20
1994	January 1	981	573	383	25	651	527	25
	April 1	922	584	328	10	567	606	20
	July 1	856	507	339	10	442	488	20
	October 1	955	572	378	5	774	660	15
1995	January 1	966	533	423	10	603	572	20
	April 1	986	622	349	15	705	660	25
	July 1	916	538	368	10	521	571	20
	October 1	934	561	358	15	694	661	15
1996	January 1	1,050	580	460	10	664	533	15
	April 1	1,030	620	400	10	635	640	15
	July 1	750	450	295	5	295	555	20
	October 1	960	570	380	10	825	600	15
1997	January 1	1,110	605	490	15	645	480	15
	April 1	1,090	645	435	10	730	720	30

1/ Data series began January 1, 1992.

Milk cows and milk production by quarter, Colorado, 1987-96 1/

Year	January-March	April-June	July-September	October-December	Annual
Number of milk cows					
	Number	Number	Number	Number	Number
1987	78,000	77,000	76,000	75,000	77,000
1988	74,000	74,000	74,000	75,000	74,000
1989	75,000	75,000	76,000	77,000	76,000
1990	77,000	77,000	77,000	77,000	77,000
1991	77,000	78,000	77,000	77,000	77,000
1992	79,000	80,000	79,000	80,000	80,000
1993	80,000	80,000	81,000	80,000	80,000
1994	80,000	81,000	82,000	82,000	81,000
1995	83,000	83,000	82,000	82,000	83,000
1996	83,000	84,000	83,000	84,000	84,000
Milk production per cow 1/					
	Pounds	Pounds	Pounds	Pounds	Pounds
1987	3,680	3,950	4,010	3,950	15,481
1988	3,970	4,190	4,270	4,090	16,581
1989	4,040	4,360	4,300	4,160	16,803
1990	4,180	4,360	4,350	4,290	17,182
1991	4,220	4,420	4,320	4,310	17,338
1992	4,330	4,500	4,520	4,460	17,700
1993	4,430	4,640	4,610	4,450	18,175
1994	4,560	4,900	4,900	4,740	19,173
1995	4,650	4,710	4,700	4,740	18,687
1996	4,770	4,920	4,950	4,920	19,440
Milk production 2/					
	Million Pounds	Million Pounds	Million Pounds	Million Pounds	Million Pounds
1987	287	304	305	296	1,192
1988	294	310	316	307	1,227
1989	303	327	327	320	1,277
1990	322	336	335	330	1,323
1991	325	345	333	332	1,335
1992	342	360	357	357	1,416
1993	354	371	373	356	1,454
1994	365	397	402	389	1,553
1995	386	391	385	389	1,551
1996	396	413	411	413	1,633

1/ Quarterly estimates are as follows: Jan.-March; April-June; July-Sept.; Oct.-Dec. Milk cows are the average for the quarter; milk production is total for the quarter; production per cow for the quarter is derived by dividing total production by average number of cows for the quarter.

2/ Excludes milk sucked by calves.

Milk cows, milk, and milkfat production, Colorado, 1987-96

Year	Number of milk cows on farms 1/	Production per milk cow 2/		Percentage of milkfat in milk	Total production on farms	
		Milk	Milkfat		Milk	Milkfat
	Thousands	Pounds	Pounds	Percent	Million Pounds	
1987	77	15,481	568	3.67	1,192	44
1988	74	16,581	614	3.70	1,227	45
1989	76	16,803	620	3.69	1,277	47
1990	77	17,182	627	3.65	1,323	48
1991	77	17,338	635	3.66	1,335	49
1992	80	17,700	646	3.65	1,416	52
1993	80	18,175	660	3.63	1,454	53
1994	81	19,173	688	3.59	1,553	56
1995	83	18,687	676	3.62	1,551	56
1996	84	19,440	710	3.65	1,633	60

1/ Average number on farms during year, excluding heifers not yet fresh.

2/ Excludes milk sucked by calves.

Milk disposition and cash receipts, Colorado, 1985-1996

Year	Milk used on farms where produced			Milk and cream sold to plants and dealers		
	Fed to calves	Used in the farm household for milk, cream and butter	Total	Quantity	Price per 100 lbs.	Cash receipts
	Million Pounds				Dollars	1,000 Dollars
1985	42	10	52	1,025	14.00	143,500
1986	43	11	54	1,105	13.50	149,175
1987	39	8	47	1,115	13.40	149,410
1988	34	8	42	1,155	13.20	152,460
1989	39	19	58	1,189	14.70	174,783
1990	44	8	52	1,240	14.50	179,800
1991	50	15	65	1,238	12.70	157,226
1992	41	16	57	1,321	13.40	177,014
1993	46	15	61	1,353	13.00	175,890
1994	38	12	50	1,460	13.60	198,560
1995	30	10	40	1,468	13.00	190,840
1996	21	8	29	1,560	14.60	227,760

Year	Milk sold directly to consumers ^{1/}			Combined marketings of milk and cream					
	Quantity	Price per quart	Cash receipts	Milk utilized	Average returns ^{2/}		Cash receipts	Value of consumed on farms where produced ^{3/}	Gross income from dairy products ^{4/}
					Per 100 lbs. milk	Per lb. milkfat			
	Million Quarts	Cents	1,000 Dollars	Million Pounds	Dollars	Dollars	1,000 Dollars	1,000 Dollars	1,000 Dollars
1985	13.0	52.0	6,772	1,053	14.27	3.91	150,272	1,427	151,699
1986	13.5	50.0	6,744	1,134	13.75	3.75	155,919	1,512	157,432
1987	14.0	56.0	7,814	1,145	13.73	3.74	157,224	1,099	158,322
1988	14.0	59.0	8,233	1,185	13.56	3.67	160,693	1,085	161,777
1989	14.0	62.0	8,651	1,219	15.05	4.08	183,434	2,859	186,293
1990	14.4	60.0	8,651	1,271	14.83	4.06	188,451	1,186	189,637
1991	14.9	60.0	8,930	1,270	13.08	3.57	166,156	1,962	168,119
1992	17.7	70.0	12,372	1,359	13.94	3.82	189,386	2,230	191,616
1993	18.6	72.0	13,395	1,393	13.59	3.74	189,285	2,038	191,324
1994	20.0	78.0	15,600	1,503	14.25	3.97	214,160	1,710	215,870
1995	20.0	77.0	15,400	1,511	13.65	3.77	206,240	1,365	207,605
1996	20.4	88.0	18,009	1,604	15.32	4.20	245,769	1,226	246,995

^{1/} Sales directly to consumers by producers. Also includes milk produced by institutional herds.

^{2/} Cash receipts divided by milk or milkfat represented in combined marketings.

^{3/} Valued at average returns per 100 pounds of milk listed under combined marketings of milk and cream.

^{4/} From marketings of milk and cream plus value of milk used for home consumption and farm-churned butter.

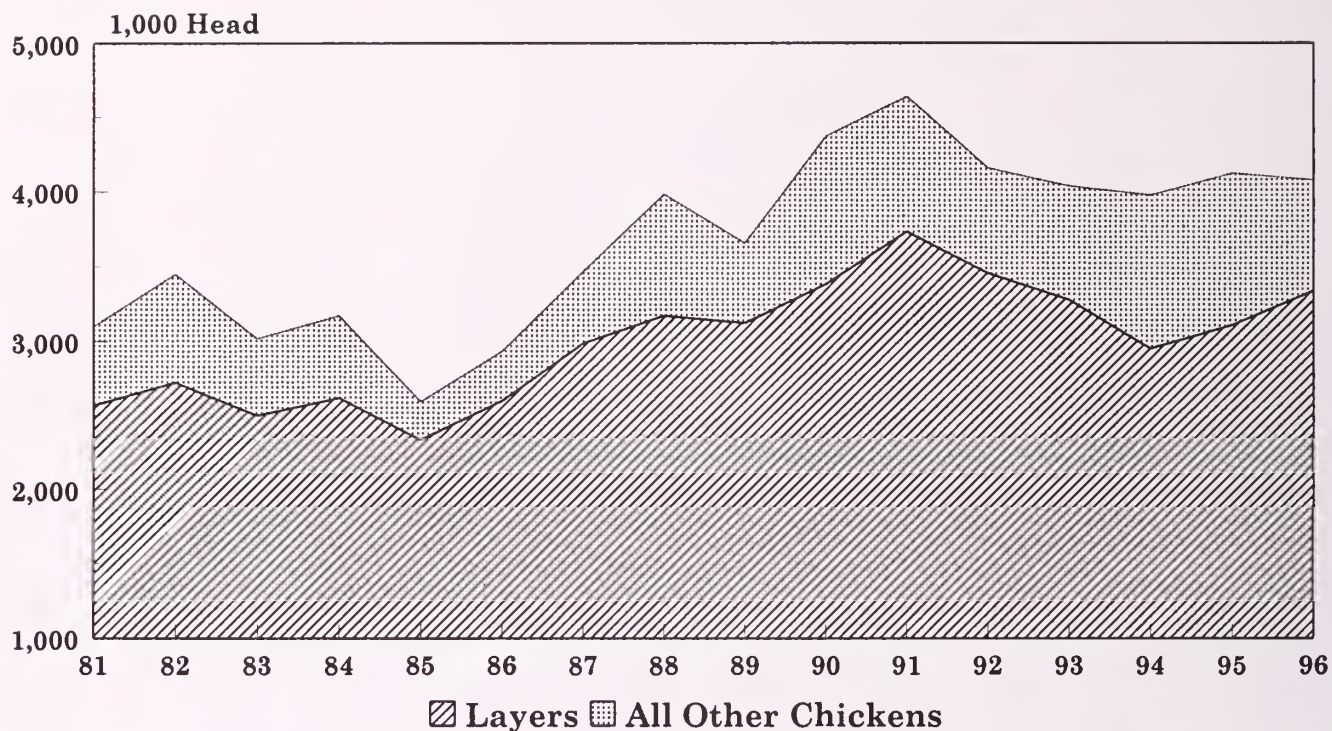
Dairy Products: Quantities manufactured, Colorado, 1985-96

Year	Cottage cheese			Frozen products						
	Lowfat	Curd	Creamed	Ice cream		Ice milk		Milk sherbet		Water ices
				Mix	Product	Mix	Product	Mix	Product	
	1,000 Pounds			1,000 Gallons						
1985	6,620	11,069	12,184	4,943	9,763	3,937	5,831	280	425	418
1986	7,157	11,000	11,146	5,298	10,335	4,103	6,125	219	314	478
1987	7,735	11,215	10,502	5,430	9,948	3,812	5,672	231	321	486
1988	9,837	13,151	12,272	5,497	10,287	5,011	8,125	273	401	268
1989	11,743	13,085	11,232	5,611	10,643	4,220	6,603	318	430	316
1990	9,204	12,705	12,978	5,384	10,781	4,225	6,892	278	389	481
1991	8,972	12,352	12,166	5,717	11,252	3,940	6,553	267	403	526
1992	8,471	10,935	9,974	5,286	10,414	4,223	7,162	245	628	351
1993	6,442	8,553	8,883	5,393	10,398	4,078	6,865	269	374	495
1994	7,920	9,231	8,982	5,487	10,663	4,197	8,877	343	515	579
1995	7,597	8,930	7,375	5,249	9,977	4,118	8,513	296	450	700
1996	7,539	8,932	1/	5,361	10,262	3,350	6,401	279	425	1/

^{1/} Not published to avoid disclosure of individual operations.

CHICKEN INVENTORY

Colorado, December 1, 1981-96



Chickens: Inventory by class and total value, Colorado, December 1, 1981-96 ^{1/}

Year	Hens and pullets of laying age			Pullets not of laying age			Other chickens	All chickens		
	Hens	Pullets	Total	3 mo. old or older	Under 3 mo.	Total		Number	Value per head	Total value
	1,000 Head	1,000 Head	1,000 Head	1,000 Head	1,000 Head	1,000 Head	1,000 Head	1,000 Head	Dollars	1,000 Dollars
1981	1,440	1,130	2,570	286	213	499	31	3,100	2.60	8,060
1982	1,370	1,355	2,725	330	365	695	30	3,450	1.75	6,038
1983	1,800	700	2,500	210	285	495	25	3,020	2.05	6,191
1984	1,020	1,600	2,620	240	300	540	15	3,175	1.85	5,874
1985	1,150	1,185	2,335	75	172	247	13	2,595	1.75	4,541
1986	1,470	1,130	2,600	124	200	324	11	2,935	1.35	3,962
1987	1,440	1,550	2,990	234	240	474	6	3,470	1.45	5,032
1988	1,570	1,605	3,175	310	498	808	3	3,986	1.60	6,378
1989	1,100	2,026	3,126	193	297	490	43	3,659	2.25	8,233
1990	2,002	1,385	3,387	297	618	915	70	4,372	1.80	7,870
1991	2,360	1,376	3,736	384	480	864	40	4,640	1.90	8,816
1992	1,790	1,670	3,460	250	385	635	65	4,160	1.80	7,488
1993	1,678	1,605	3,283	353	337	690	67	4,040	2.00	8,080
Year	All layers			Pullets			Other chickens	All chickens		
	One year & older	Less than one year	Total	13-20 weeks of age	< 13 weeks of age	Total		Number	Value per head	Total value
1994	1,395	1,559	2,954	385	529	914	112	3,980	2.10	8,358
1995	1,479	1,635	3,114	380	465	845	166	4,125	1.90	7,838
1996	1,813	1,530	3,343	320	280	600	137	4,080	2.10	8,568

^{1/} Change in class terminology beginning 1994.

Chickens: Number lost, number sold and value of sales, Colorado, 1988-96

Year	Number lost	Number sold	Pounds sold	Price per lb.	Value
	1,000 Head	1,000 Head	1,000 Pounds	Cents	1,000 Dollars
1988	250	1,840	7,912	13.0	1,029
1989	325	2,040	11,424	16.0	1,828
1990	390	2,080	9,360	12.0	1,123
1991	420	2,270	9,988	11.0	1,099
1992	440	2,240	8,960	10.0	896
1993	440	2,180	8,720	10.0	872
1994	510	2,200	9,020	7.0	631
1995	686	1,734	6,936	4.0	277
1996	708	1,547	6,188	3.0	186

Layers and egg production, Colorado, 1988-96 1/

Year	Dec. 2/	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.
Average number of layers												
Thousand												
1988 ...	...	...	2,999	...	...	3,018	...	...	3,030	...	...	3,103
1989 ...	...	...	3,237	...	...	3,294	...	...	3,255	...	...	3,173
1990 ...	...	...	3,110	...	...	3,135	...	...	3,110	...	...	3,215
1991 ...	...	...	3,328	...	...	3,449	...	...	3,531	...	...	3,585
1992 ...	...	...	3,738	...	...	3,518	...	...	3,322	...	...	3,403
1993 ...	...	...	3,487	...	...	3,490	...	...	3,434	...	...	3,342
1994 ...	3,287	3,246	3,290	3,311	3,250	3,190	3,150	3,189	3,213	3,206	3,133	3,015
1995 ...	3,089	3,206	3,173	3,224	3,217	3,083	3,114	3,200	3,099	3,099	3,164	3,123
1996 ...	3,185	3,276	3,232	3,174	3,228	3,272	3,178	3,163	3,220	3,248	3,275	3,299
Number of eggs produced												
Million												
			3/			4/			5/			6/
1988 ...	...	...	195	...	...	200	...	...	197	...	...	191
1989 ...	...	...	199	...	...	213	...	...	210	...	...	202
1990 ...	...	...	196	...	...	198	...	...	194	...	...	200
1991 ...	...	...	205	...	...	218	...	...	226	...	...	224
1992 ...	...	...	231	...	...	208	...	...	192	...	...	206
1993 ...	...	...	207	...	...	206	...	...	211	...	...	213
1994 ...	71	65	59	67	65	66	64	66	68	64	64	59
1995 ...	62	69	63	70	68	68	65	71	71	66	67	78
1996 ...	69	71	67	71	67	69	66	69	70	68	71	80

1/ Quarterly estimates only until 1994. 2/ Dec. preceeding year. 3/ Dec.-Feb. total until 1994. 4/ March-May total until 1994.
5/ June-Aug. total until 1994. 6/ Sept.-Nov. total until 1994.

Eggs: Production and income, Colorado, 1988-96

Year	Average number of layers	Eggs per layer	Total produced	Price per dozen	Gross income
	Thousands	Number	Millions	Cents	Dollars
1988	3,037	258	783	55.0	35,888
1989	3,239	254	824	76.0	52,187
1990	3,142	251	788	77.8	51,089
1991	3,473	251	873	73.0	53,108
1992	3,494	239	837	61.4	42,827
1993	3,438	243	837	68.8	47,988
1994	3,207	243	778	66.0	42,790
1995	3,149	256	805	70.6	47,361
1996	3,229	256	827	75.6	52,101

Bees and honey, Colorado, 1986-96 1/

Year	Number of Colonies	Yield per Colony	Production	Producer Stocks	Avg. Price Per Pound	Value of Production
	1,000	Pounds	1,000 Pounds		Dollars	1,000 Dollars
1986	41	78	3,198	480	.540	1,727
1987	44	73	3,212	96	.680	2,184
1988	48	83	3,984	837	.550	2,191
1989	50	66	3,300	495	.540	1,782
1990	55	64	3,520	845	.660	2,323
1991	50	79	3,950	514	.630	2,489
1992	52	74	3,848	847	.590	2,270
1993	53	73	3,869	1,161	.580	2,244
1994	45	76	3,420	1,813	.560	1,915
1995	45	60	2,700	1,404	.730	1,971
1996	30	74	2,220	1,132	.790	1,754

1/ Estimates discontinued 1982; resumed in 1986.

Trout: Operations, sales and value, Colorado, 1991-96

Item	Unit	1991	1992	1993	1994	1995	1996
Number of Operations	Number	26	33	30	27	33	36
Total Sales	1,000 Dollars	2,370	2,375	2,134	2,274	2,269	2,420
Foodsize: 1/							
Number Sold	Thousands	325	305	397	614	850	520
Pounds Sold	Thousands	425	310	349	524	778	543
Value Per Pound	Dollars	2.38	2.39	2.26	2.11	2.12	2.42
Total Value of Sales	1,000 Dollars	1,013	740	790	1,104	1,651	1,315
Stockers: 2/							
Number Sold	Thousands	1,078	1,475	1,313	1,015	723	806
Pounds Sold	Thousands	533	695	545	486	257	433
Value Per Pound	Dollars	2.17	2.14	2.25	2.21	2.18	2.36
Total Value of Sales	1,000 Dollars	1,157	1,487	1,224	1,076	560	1,021
Fingerlings: 3/							
Number Sold	Thousands	835	610	642	621	334	360
Pounds Sold	Thousands	35	23	16	17	11	13
Value Per Pound	Dollars	5.71	6.43	7.44	5.53	5.27	6.46
Total Value of Sales	1,000 Dollars	200	148	119	94	58	84

1/ Defined as fish being 12 inches or longer.

2/ Defined as fish being from 6-12 inches in length.

3/ Defined as fish being from 2-6 inches in length.

Livestock: Number on farms and inventory value, Colorado, January 1, 1987-97

Year	All Cattle and Calves			Hogs and Pigs 1/			All Sheep and Lambs		
	Number	Farm value		Number	Farm value		Number	Farm value	
		Per head	Total		Per head	Total		Per head	Total
	1,000 Head	Dollars	1,000 Dollars	1,000 Head	Dollars	1,000 Dollars	1,000 Head	Dollars	1,000 Dollars
1987	2,600	430.00	1,118,000	190	92.00	17,480	690	77.50	53,475
1988	2,800	565.00	1,582,000	205	85.00	17,425	755	99.50	75,123
1989	2,800	600.00	1,680,000	220	74.50	16,390	825	90.00	74,250
1990	2,800	620.00	1,736,000	230	86.50	19,895	840	84.00	70,560
1991	2,750	710.00	1,952,500	300	93.00	27,900	710	80.00	56,800
1992	2,900	640.00	1,856,000	410	75.00	30,750	710	66.00	46,860
1993	2,950	685.00	2,020,750	410	83.00	34,030	660	72.00	47,520
1994	3,000	680.00	2,040,000	450	85.00	38,250	647	77.00	49,819
1995	2,950	650.00	1,917,500	500	60.00	30,000	545	74.00	40,330
1996	3,100	520.00	1,612,000	580	79.00	45,820	535	88.00	47,080
1997	3,150	570.00	1,795,500	630	100.00	63,000	575	105.00	60,375

1/ December 1 preceding year.

ANNUAL REPORT

COLORADO DEPARTMENT OF AGRICULTURE

FISCAL YEAR 1996-1997



The Honorable Roy Romer, Governor

Thomas A. Kourlis, Commissioner

ANNUAL REPORT OF THE COLORADO DEPARTMENT OF AGRICULTURE

Fiscal Year 1996-1997

Roy Romer, Governor

Thomas A. Kourlis, Commissioner

Robert G. McLavey, Deputy Commissioner

Introduction

The Colorado Department of Agriculture is committed to strengthening agriculture's future; providing consumer protection; promoting environmental quality and animal health; and ensuring equity and integrity in business and government.

One hundred thirteen employees at six primary locations and 137 field employees provide over 300 different regulatory, inspection, marketing, consumer protection and other services across Colorado. The agriculture department provides these services for .2% of the state's budget.

Organization

The Colorado Agricultural Commission, a body of nine persons appointed by the Governor, advises, counsels and directs the Commissioner of Agriculture, also appointed by the Governor. The commission is comprised of individuals of both political parties from agricultural districts and represents a cross section of the state's agricultural community.

The department is organized into five divisions: Markets, Brand Inspection, Plant Industry, Inspection and Consumer Services and Animal Industry. Their programs are as follows:

Markets

Market Orders
International Marketing
Domestic Marketing
Business Development
Market News

Plant Industry

Biological Pest Control
Phytopathology Inspection and Certification
Nursery Inspection and Registration
Apiary Inspection and Investigation
Pest Control Surveys
Chemigation Management
Groundwater Protection
Seed Inspection and Certification
Organic Certification
Fruit / Vegetable Pesticide Residue Monitoring
Weed-Free Forage Inspection and Certification
Canola Field Registration
Noxious Weed Management
Late Blight Quarantine Enforcement
Pesticide Product Registration
Commercial Pesticide Applicator Licensing
Commercial Pesticide Investigations

Inspection and Consumer Services

Technical Services
Field Programs
Feed
Egg
Fertilizer
Meat Inspection
Farm Products
Laboratory Services
Measurement Standards
Fruit and Vegetable Inspection

Animal Industry

Veterinary Services
Bureau of Animal Protection
Brucellosis Lab
Rodent/Predator Control
Pet Animal Care Facilities

Brand Inspection Division

Livestock Brand Inspection
Alternative Livestock Facilities Licensing
Livestock Market Licensing
Slaughter Facility Inspection
Lost or Stolen Livestock Investigation

Office of the Commissioner

Thomas A. Kourlis, Commissioner of Agriculture
Robert G. McLavey, Deputy Commissioner

Ongoing activities in the Commissioner's Office include the programs of the Colorado Agricultural Commission, Resource Analysis Section, Administrative Services, Public Information and Personnel. Hot issues for 1996-1997 have included trapping, weeds, public land grazing, drought, risk-based inspection, animal diseases, bees, the State Fair and customer service. The Commissioner's office assisted with the 1997 Governor's Agricultural Outlook Forum and hosted the annual AgInsights meeting.

The Commissioner chaired a Predator Roundtable discussion group, resulting in new trapping rules that were the most restrictive in 13 western states. Amendment 14, the anti-trapping initiative, passed making it illegal to use any leghold trap, any instant kill body-gripping design trap, poison or snare in the state of Colorado with very few exceptions such as allowing health department officials to trap to protect human health or safety. Senate Bill 52 was then passed to clarify and implement Amendment 14. The department is now in the process of bringing all rules into compliance with Senate Bill 52 and writing procedures for customers to receive assistance.

The department continued its aggressive effort to control noxious weeds. The General Assembly provided substantial funding to the department to hire a full time weed coordinator and provide over \$200,000 to local governments to assist in weed control.

The department assisted livestock producers and resource conservationists with public grazing

land management. Multiple Resource Advisory Councils (MRACs), created to advise the Bureau of Land Management, met frequently throughout the year and adopted standards and guidelines for resource projection. The department assisted the MRACs in completing their tasks.

Assistance was also provided to the state's four Boards of District Grazing Advisors, charged with administering funds for rangeland improvements on BLM property. New rules were adopted to streamline the operation of the boards.

Drought in southern Colorado created difficulties for livestock producers in need of pasture and hay supplies. The department worked with the United States Department of Agriculture's Farm Services Agency in obtaining federal disaster assistance for the affected counties.

The department continued its program to move its regulatory inspection programs toward a system designed to focus more on companies most in need of regulatory compliance assistance. This risk-based inspection system is anticipated to be fully implemented in several inspection programs by 1998.

Hot animal disease issues during 1996-1997 have included tuberculosis and jones disease in elk, pseudorabies in swine and brucellosis in dogs. Animal Industry has controlled the spread of those diseases and is currently working to control trichomoniasis in southern Colorado.

Researchers marked the declining bee population as a nation-wide problem and the department continues its investigations to determine the cause(s). The Plant Industry Division worked with Colorado State University, the Environmental Protection Agency and other agencies to fund further research. The department also continues to encourage communication, cooperation and education among interdependent agricultural industries.

Legislation was adopted in 1997 that brings the Colorado State Fair under the Colorado Department of Agriculture as a distinct division.

The Commissioner and Deputy Commissioner worked with the Governor's Office and the General Assembly in developing legislation to resolve the fair's financial difficulties and put in place a program to maintain the fair's capital facilities.

The Commissioner held 10 meetings across the state with agricultural producers to discuss topics of concern. The meetings, called *Ag Issue Forums*, were attended by approximately 300 individuals.

Employees department-wide were trained in methods to improve customer service. The training focused on recognizing opportunities for delivering satisfaction in government service. Methods of conflict management were also topics of instruction.

The sixth annual Governor's Agricultural Outlook Forum was held on February 20, 1997 at the Colorado Convention Center in Denver. The theme of this year's forum was "Thriving in a Changing World: The New Economics of Food." Morning speakers gave a wake up call, asking who will feed the world of the future. Afternoon breakout sessions included International Marketing, Agriculture and Growth, Waste Management, Water Conservation and Biotechnology. Agriculture and Growth was the most popular afternoon session, with more people than the room could hold.

Speakers included Governor Roy Romer; Agriculture Commissioner Thomas A. Kourlis; Lester Brown, founder of the Worldwatch Institute; Dr. Will Carpenter, President of Carpenter Consultants; Warren Hammerbeck, life-long farmer and rancher; and Dr. Lowell Catlett, professor of agricultural economics and business at New Mexico State University. The Forum attracted approximately 460 people from agriculture, business and academia.

In conjunction with the Governor's Agricultural Outlook Forum, Commissioner Kourlis convened the third annual meeting of AgInsights. AgInsights consists of a group of agricultural organizations and organizations closely affiliated

with the agricultural industry. The purpose of the meetings is to improve the level of communication among organizations within the industry to achieve greater success in conveying the message of the importance of ranching and farming in Colorado. At the 1997 meeting, the group reviewed accomplishments for the year which included the development of a logo; the establishment of an agricultural Speaker's Bureau to give information talks state-wide about the importance of Colorado agriculture; and the completion of a media tour.

Colorado Agricultural Commission

The Colorado Agricultural Commission is a nine-member group of agricultural leaders, appointed by the Governor and confirmed by the State Senate, which is responsible for: making recommendations to the Commissioner, the Governor and the General Assembly regarding agricultural issues within the state; developing policies for preparing and enforcing rules and regulations related to agriculture; reviewing and approving all rules and regulations before release by the Commissioner or agriculture department's divisions; developing general policy for managing the agriculture department; and approving and monitoring the agriculture department's budget.

The Colorado Agricultural Commission held six meetings in fiscal year 1996-97. Mr. Dale DeJacom, an Adams County nursery producer, was elected Commission Chair, and Mr. Max Harper, a dairyman from Yuma, was elected as Vice Chair.

Brad Rock, a Weld County farmer and rancher, was newly appointed to the Commission. Glen Murray, a Brighton area farmer; Max Harper, a Yuma County dairyman; and Kelly Spitzer, a Prowers County grain merchant, have been reappointed to the Agricultural Commission.

Resource Analysis

This two-person section analyzes the key issues and trends affecting Colorado agriculture and

develops and manages special programs at the direction of the Commissioner. The section continues to disseminate information on agricultural land conversion in Colorado through documents and presentations. In 1996, section staff worked with the United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) to obtain \$1 million in federal funds to help buy agricultural easements from willing landowners. Four parcels of farm and ranch land totaling 2,200 acres were protected. An intern also published a 70-page report containing indices of conversion pressure and local commitment to agriculture, based upon 30 layers of data.

At the request of the Brand Board and the livestock industry, Resource Analysis prepared an analysis of the costs of the \$2.7 million Colorado livestock inspection program. Using regression analysis, average inspection costs for each type of livestock inspected were estimated. Program benefits were also analyzed. During this next year, the Brand Board may seek to redefine their services and fees.

In 1996-97, section staff also: helped plan and implement the 1997 Governor's Agricultural Outlook Forum, which attracted 460 people; helped Colorado's green industry design studies to document its economic importance to the state; and began a systematic review of the Department's rules and regulations.

Administrative Services

The Administrative Services Section continues to focus on customer service in accounting, budgeting, purchasing, data processing, and business support services provided to the divisions and the public.

Administrative Services' Information System staff have concentrated their effort and will complete the centralized demographic database at Inspection and Consumer Services this year. This task is the result of the methodology and data structure developed by information systems staff to provide a standard for integrating

licensing and management information. Demographic data from Egg inspection, Measurement Standards Licensing, Feed and Fertilizer Registration provide the foundation to eliminate redundancy while providing management and inspection staff with consistent information.

Funding for the facilities audit for the Department of Agriculture, including the State Fair property, was received this year. The study will be performed during the 1997-1998 fiscal year and will facilitate the department in management of controlled maintenance projects.

Division of Markets

Jim Rubingh, Division Director

The Markets Division is responsible for developing new marketing opportunities for Colorado producers and processors as well as retaining existing markets for the full array of Colorado products. The division also develops promotional programs and materials, assists in expanding the state's food and agriculture processing industry, administers the Seal of Quality Program, and collects livestock and produce market news from around the state. The division provides staff assistance to the Colorado Agricultural Development Authority.

Marketing Orders Program

Marketing orders are producer-funded programs which collect funds from the point of first sale of certain farm commodities. The funds are used for crop research, market development, as well as for promotion, advertising and education programs. These activities provide greater utilization of commodities and increased profitability for producers. In some cases, marketing orders provide for commodity inspection and grading in order to assure that only high-quality commodities reach the marketplace. Marketing orders generally work to solve marketing problems and conduct programs that would be impossible for individual producers to accomplish.

Colorado has marketing orders for seven commodities produced in the state covering apples, corn for grain, potatoes, dry edible beans, sweet corn, milk and wheat.

The department's responsibilities involve establishing, enforcing, and overseeing the administration of the marketing orders. In addition, the program serves to enforce the marketing order rules and regulations by conducting investigations, holding hearings, and reviewing audits of the orders. The agency reviewed budgets for the eight marketing orders and approved expenditures totaling over \$3 million.

International Marketing

The goal in the international marketing program is to increase the export sales of Colorado grown and processed agricultural products. This section works with individual companies as well as in developing industry specific marketing efforts. International Marketing also provides access to the USDA Foreign Agricultural Service (FAS) programs. Beginning in the fall of 1996, we developed an agreement with the USDA FAS to have a FAS staff person work out of the Markets Division. This section also coordinates the agricultural access to the State of Colorado offices in Japan, Mexico and Great Britain.

International Marketing provides individual counseling ranging from market assessment utilizing research reports, computer data sources and other research, to assistance in obtaining "Branded Promotion" grants for overseas marketing through the USDA and assistance through Colorado's Agricultural International Trade Promotion Program (AITPP), which provides financial assistance for international promotions.

A key element of the section's international trade development effort is coordinating state participation in WUSATA, the Western U.S. Agricultural Trade Association. Through WUSATA, Colorado companies have access to international trade development funds, industry

and market promotions in overseas markets. The Colorado Department of Agriculture is currently managing two projects in Japan and two in Mexico. In Japan, Markets manages projects in food service and organic foods promotion. In Mexico, Markets manages a project to increase the exports of produce and a program to increase breedstock sales to Mexico. The Markets Division is also establishing a rancher exchange program with Mexico and is working to establish a Colorado International Livestock Cooperative.

International Marketing continues to build the resource library for international trade which provides marketing data for most international markets for food and agricultural products. The section is also active in recruiting trade teams to meet with Colorado companies at their plants or ranches. The Markets Division has the lead in a national effort funded by the USDA to establish a national standard for state databases for companies and exporters.

Domestic Marketing

The mission of the domestic marketing program is to increase awareness and demand for Colorado food and agricultural products in local, regional and national markets.

The domestic marketing staff publishes and distributes five marketing directories for Colorado producers: the *Hay Directory*, the *Farm Fresh Directory*, the *Fresh and Processed Food Trade Directory* and the *Food and Beverage Gift Guide*. The Markets Division also offers a handbook, *Developing a Marketing Plan for your Food Product* and publishes a quarterly newsletter. The division is in the process of placing all publications on the Internet.

Ongoing marketing activities include *A Match Made in Colorado*, a joint marketing program with the ACF Culinarians of Colorado that promotes the use of Colorado food products by the state's foodservice industry; the Seal of Quality program, a labeling and inspection program that differentiates super-grade apples;

the Centennial Farms program, which recognizes 100-year-old farms in the state; a low-cost focus group program; the "Gimme 5 Colorado" produce campaign, a statewide effort to increase public awareness of the importance of fruits and vegetables in the diet; and a public relations program, which informs the media and consumers when select Colorado crops come into season. As part of the AgInsights program, the Markets Division has developed the Colorado Agricultural Speakers Bureau, which provides speakers on agricultural issues for audiences throughout the state, and an agricultural awareness campaign. The division also administers a program to promote Colorado wines which is funded by the Colorado Wine Industry Development Board.

The Markets Division continues to serve as the lead agency for aquaculture development in the state. As of May 1997, Colorado has 38 licensed aquaculture facilities.

Business Development

The purpose of the business development program is to encourage agricultural manufacturing in-state. Included in this effort is assistance to start-ups, existing business, and agricultural recruitment which is undertaken in conjunction with the Colorado Office of Business Development.

The Markets Division administers the *Agricultural Processing Feasibility Grant Program* which assists local governments and entrepreneurs in evaluating the potential for developing or expanding agricultural processing facilities. The program is funded by the Colorado Economic Development Commission. Private consultation, as well as written and group training is also provided for start-up food processors. Publications and programs for start-ups include: *From Growing to Processing: A Guide For Start-up Food Processors*, a workshop on *Starting a Food Processing Business*, and *Checklist for Start-Up Food Processors*, a concise listing of steps in developing a food processing business

Growth of existing business is encouraged through: the *Domestic Trade Show Assistance Program*, which provides partial funding for booth space at domestic food trade shows outside the state; Colorado sections at the *International Fancy Food & Confection Trade Shows*; the *Colorado Co-Pack Directory*, a listing of food companies which provide contract packing services; a workshop on *Marketing Your Food Product*, and facility visits to inform processors about available programs.

A new publication, *Public Finance for Colorado Agriculture*, is applicable for growers and processors, start-ups and existing businesses.

Agricultural recruitment is accomplished at trade shows, through call-ins, and through referral by the Colorado Office of Business Development.

Cooperative efforts continue to grow with agencies and associations which have a focus in-line with the division's business development program. Such groups include: the American Institute of Wine & Food-Colorado Section; Colorado Food Association; Colorado Office of Business Development; Colorado Small Business Development Centers; Colorado State University Cooperative Extension; and the Denver Enterprise Center, a commercial kitchen.

Market News

Personnel of the Colorado Department of Agriculture's Markets Division attend livestock sales at the major sale yards around the state to report the movement and price of livestock exchanged in open trading. This information is made available to livestock producers. The staff also monitors and reports on hay, fresh produce and nursery marketing.

Brand Inspection Division J. G. Shoun, Brand Commissioner

The Brand Inspection Division has a long history in Colorado beginning around 1865 in what was

then the Colorado Territory. Today, the division administers more than 35,000 livestock brands to identify ownership of cattle, sheep, mules, burros, horses, elk and fallow deer. Brand inspection is crucial to verify ownership in cases of strayed or stolen livestock, and animal health programs are strengthened by the ability to trace animals to their herd of origin.

The division is administered by the State Board of Stock Inspection comprised of five members, appointed by the Governor, representing all segments of the industry. The members of the board for the 1996-97 period are Mr. Dick Tanner of Yoder, Mr. Dean Davis of Lindon, Mr. Lee Spann of Gunnison, Ms. Linda Ingo of Ridgway, and Mr. Robert E. Bledsoe of Wray.

The division employs 65 brand inspectors located throughout the state, eight brand foremen, and nine administrative personnel, including Brand Commissioner J.G. Shoun. The annual budget for the division exceeds \$2.7 million and is completely funded by inspection fees levied to livestock owners and brand registration fees levied every five years.

The division is assigned five principal regulatory responsibilities: to record and administer livestock brands; inspect livestock and verify ownership before sale, transportation beyond 75 miles, or slaughter; inspect and license packing plants, livestock sale rings, and inspect all consignments before sale to verify ownership; license and inspect alternative livestock (elk and fallow deer) facilities; and prevent and return strayed or stolen livestock and investigate reports of lost or stolen livestock.

In addition, brand inspectors collect beef promotion and research funds. The division is also the trustee for all surety bonds issued to licensed markets and packing houses doing business in Colorado.

In 1996-97, division staff traveled in excess of 1.4 million miles and inspected approximately 4.7 million head of livestock. In addition, they identified ownership of lost, stolen, or strayed and questionably owned livestock valued at \$17

million. The division conducted 56,000 horse inspections and issued twice as many permanent horse travel permits than previous years.

The Brand Division has concentrated on educational programs in the past few years. The focus of the educational program is on teaching brand law and theft prevention to the public and law enforcement agencies. Twenty-one separate classes were given in 1996-97, all in different areas in Colorado.

Division of Plant Industry

John Gerhardt, Director

The Colorado Department of Agriculture's Division of Plant Industry performs a wide array of services to the public and engages in several important environmental and public health protection programs.

Beginning as the Bureau of Plant and Insect Control in 1937, the agency was under the direction of the State Entomologist. The division is organized into the Biological Pest Control, the Pesticide Section, and the Plant and Insect Section. The division's staff of 38 includes 12 field inspectors (10 of whom are cross-trained in multiple inspection and two are chemigation inspectors), six biological pest control specialists and the state weed coordinator.

Biological Pest Control

In 1945, the Bureau of Plant and Insect Control developed the state's initial biological pest control program in Palisade, Colorado, at the Colorado Department of Agriculture Insectary. The Biological Pest Control program employees study, import, rear and release beneficial insects to control plant and insect pests.

Biological pest control provides an economical alternative to reliance on chemical pest control technology. Biological pest control decreases production costs, reduces a portion of the chemicals entering the environment and offers a more permanent pest control solution.

In 1996-97, the staff of the Biological Pest Control Section conducted 1,030 releases of 39 species of beneficial insects. This was an increase in activity of approximately 44% over fiscal year 1995 (1995's activity level was an increase of 27% over the previous year). The releases were designed to assist in the control of 15 weed species and six insect pests throughout the state.

Plant and Insect Section

This section provides the following services:

- Inspect plants and plant products intended for export to provide certification required by receiving states and countries;
- Register sellers of nursery stock, providing inspection of that stock to aid in control of insects and diseases, and aiding consumers in purchasing high quality stock;
- Inspect apiaries for bee diseases, by request;
- Conduct pest surveys and work with private and public agencies to control certain pests;
- Administer and enforce the Colorado Chemigation Act to avoid pollution of groundwater sources;
- Register and inspect commercial seed dealers to assure truth in labeling of seed as to content and germination claims;
- Administer the organic production certification program to assure buyers of organically-grown produce that their produce conforms with state standards required before making such claims;
- Administer fruit and vegetable pesticide residue monitoring under contract with USDA;
- Administer request program for certification of weed free forage crops including hay and mulch crops.

- Register canola fields to avoid cross pollination of different types of rapeseed. The San Luis Valley is the only area subject to the registration program at this time.

In 1996-97, the Plant and Insect Section implemented two new programs: the Noxious Weed Management program and the Late Blight Quarantine Enforcement program.

This year, the Pesticide Section obtained a grant from the Bureau of Land Management and the U.S. Forest Service to establish a state noxious weed management program and hire a state weed coordinator. Subsequently, the Department has secured funding for the state weed coordinator position through the Colorado Legislature as well as \$225,000 for the State Noxious Weed Management Fund for the coming fiscal year.

The Noxious Weed Management program focuses on developing partnerships among public and private land managers to form local weed management areas, assisting local government weed managers to develop and implement effective weed management programs, developing and disseminating additional informational and financial resources to improve weed management efforts across the state, and raising public awareness of the negative impacts of noxious weeds.

During the coming year, the program will improve regulatory mechanisms to limit the spread of noxious weeds through seed and other plant materials, develop a mapping/monitoring system for the state to target more effective weed management efforts, assist all counties and municipalities in the development and implementation of local weed management programs, assess the extent of federal cooperation with local weed control efforts in counties with significant federal holdings, and distribute grants to innovative weed management projects across the state.

In the Late Blight Quarantine Enforcement program, the division inspected all loads of seed potatoes transported into the San Luis Valley in the spring of 1997.

The section issued an estimated 2,400 phytosanitary inspection certificates on plant products for international export, valued at approximately \$20 million. Inspectors conducted 1,150 inspections of nurseries and greenhouses and issued approximately 1,625 registrations to sellers of nursery stock. An estimated 9,000 stop sales orders were issued on nursery stock.

Chemigation permits issued totaled 3,393 in 1996-97. Approximately 600 inspections of seed dealers were conducted, and an estimated 300 cease and desist orders were issued for violations of labeling. The Plant and Insect Section registered approximately 1,000 seed sellers and custom seed conditioners and certified 136 organic growers.

The Fruit and Vegetable Pesticide Residue Monitoring program identifies possible contaminants in the food system. A total of 296 samples were taken in 1996-97.

Under the Weed-Free Certification program, a total of 244 field inspections were made on 6,538 acres of forage and mulch crops, mostly hay, for 99 producers.

Pesticide Section

The Pesticide Section regulates pesticide products, pest control devices, pesticide applicators and takes the lead in protecting groundwater quality from contamination by agricultural chemicals. The Pesticide Section services include: ensuring proper labeling, packaging, display, formulation, and effectiveness of pesticide products; handling special local needs pesticide registrations and emergency exemption requests for pesticides; ensuring competency of commercial pesticide applicators, and under certain circumstances, limited commercial and public applicators; and ensuring the protection of groundwater and the environment from impairment or degradation due to the improper use of agricultural chemicals while allowing for their proper and correct use.

In 1996-97, approximately 9,102 pesticide products were registered in Colorado;

approximately 560 applicators were tested for competency, approximately 715 commercial pesticide application firms were licensed and 108 limited commercial and public applicators were registered. Approximately 2,611 applicators were licensed as qualified supervisors or certified operators. Approximately 56 complaints of misuse of pesticides or other violations of the Pesticide Applicators' and Pesticide Act were investigated; and administrative actions were finalized in approximately 21 cases, ranging from letters of warning to license revocations or suspensions, civil fines and injunctions.

To ensure groundwater quality, the section works to coordinate the efforts of federal, state and local agencies while providing education and public outreach. The Pesticide Section wrote four fact sheets addressing homeowners' use of agricultural chemicals which are now available. An additional water quality education specialist was hired this year to specifically address the needs of the South Platte communities and growers. Presentations to industry, professional organizations and others are ongoing to inform and seek input.

A Citizens' Advisory Committee, consisting of representatives from the general public, producers and agribusiness, has been instrumental in providing involvement in determining program priorities, program development and program implementation.

Groundwater was monitored in the Urban Front Range corridor and along the South Platte alluvial aquifer between Brighton and Greeley in 1996. Seventy-two (72) wells were sampled in the urban area and 87 wells were sampled in Weld County, with numerous determinations being performed on each.

The Pesticide Section developed and published *Universal Best Management Practices* and interest in adapting those practices to local conditions has been expressed throughout the state. Committees in the San Luis Valley, Front Range/South Platte and the Uncompaghre Valley on the Western Slope have modified the best management practices for nutrient and

irrigation management to fit local conditions. The San Luis Valley committee has completed pesticide best management practices for two specific crops, small grains and potatoes, to meet their local conditions. A committee is working on the localization process in the lower South Platte area. Work on the general information portion of the State Management Plan for the Environmental Protection Agency (EPA) continues.

Inspection and Consumer Services Division

Ronald Turner, Director

The Division of Inspection and Consumer Services consists of five sections: Technical Services, Farm Products, Laboratory Services, Measurement Standards and Fruit and Vegetable Inspection. The division employs approximately 95 individuals in a variety of inspection programs designed to assure fairness, quality, safety, and financial soundness in commercial transactions.

Under the director, the Facility Operations program oversees two state-owned buildings and two leased properties for Fruit & Vegetable Inspection. The Facility Operations program has one goal in mind - to make sure that the buildings maintain an environment of safety and security for the employees.

Technical Services Section

The division's Technical Services/Field Programs Section is responsible for field inspections, testing and/or sampling for the following programs: Measurement Standards (small devices), Feed, Fertilizer, Egg, and Meat Inspection. Each inspector in the section has been trained to perform inspections in all five program areas. Twelve inspectors, strategically located throughout the state, perform the various inspections required for each program. Inspectors are empowered to enforce the laws and regulations relating to each program.

In addition to field inspections, the Technical Services Section is responsible for the administration of the feed, fertilizer, egg, and meat inspection statutes.

The Feed program registers and selectively samples commercial animal feeds throughout the state. In 1996-97, 850 companies registered 14,100 products. These numbers reflect an increase of 75 companies and 3,000 products over last year. Program employees collected 6,304 feed samples. Inspection (tonnage) fees were collected on 1,459,737 tons of feed. Under a cooperative agreement with the U.S. Food and Drug Administration, 18 medicated feed mills were also inspected.

The Egg inspection program assures compliance pertaining to quality and labeling standards for eggs at the retail and wholesale level. In 1996-97, 1,820 retail licenses and 87 wholesale licenses were issued. At these licensed locations, 351,603 dozen eggs were inspected and 29,122 dozen, or 8.3%, were rejected. The department continues to work with the industry to improve the quality of eggs on the market. New rules, being implemented this year will greatly assist the department and the industry in these efforts.

The Fertilizer program registers and selectively samples fertilizers, soil conditioners and related products to determine nutrient content and to assure labeling accuracy in accordance with state laws. In 1996-97, the department registered 335 companies and 2,786 products. The Fertilizer program also inspects anhydrous ammonia tanks and assists in safety training in the use of this potentially dangerous product.

The Meat Inspection program licenses and inspects 101 meat processors and 29 food plan operations. In addition, the agency protects the public from unsanitary or fraudulent practices in meat processing and bulk meat sales.

Farm Products Section

The Farm Products Section is responsible for the enforcement of statutes licensing and regulating those who buy and/or store agricultural products

produced in Colorado, or owned by Colorado residents. The agency assures that dealers and state-licensed warehouses are bonded and adequately capitalized. The section licensed over 1,300 firms and holds surety bonds in excess of \$100,000,000.

The section investigates complaints by dealers, producers and owners against dealers operating in Colorado. The Farm Products Section issues cease and desist orders and/or other regulatory sanctions in the event a firm appears to be financially unable to meet its commitments. In addition, the section conducts investigations of complaints regarding timely payment or non-payment for farm products purchased and seeks remedies for losses including bond demands, stipulated licensing and civil and criminal prosecution.

Farm Products tests and verifies the accuracy of commercial testing equipment used in the grain industry such as moisture meters and protein analyzers.

Laboratory Services Section

The Laboratory Services section analyzes animal feed, fertilizer and pesticide samples to make sure all registered feeds and pet foods are free of contamination and conform to the manufacturer's labels for nutrients. The lab analyzes pesticides to assure that they meet manufacturers' guarantees and claims for label consistency. Under contract with the U.S. Environmental Protection Agency, the lab analyzes pesticide residue samples to aid in the investigation of possible misuse or misapplication.

The lab also analyzes a limited number of egg samples for pesticide residues and examines a limited number of meat samples for bacterial contamination and to assure that they meet manufacturers' claims for label consistency.

The department's groundwater lab continued to grow this past year. In cooperation with the State Health Department, who picks up groundwater samples, the lab is in year three of

a five to eight year monitoring program of water wells throughout the state to find out if there are any problems with pesticide and nitrate contamination. The lab analyzed approximately 140 water samples from July 1996 through February 1997. These samples were analyzed using four different methods to test for 30 different pesticides, as well as for nitrate. The lab staff is preparing for the summer season when sampling will resume.

In 1996-97, the section conducted 28,000 different analyses on 6,500 samples.

Measurement Standards Section

Measurement Standards licenses all weighing and measuring devices in commercial use in Colorado and certifies public scales. The State Metrology Laboratory maintains Colorado's official mass length and volume standards, and provides calibration of mass, frequency, length, volume and moisture in grain for public and private agencies.

The Metrology Laboratory calibrated 5,212 mass standards, performed 193 other tests, and certified 893 tuning forks (used to calibrate radar speed detectors). Production is down in the metrology laboratory because it was stripped bare for three weeks in November and December to replace old equipment. Much of January and part of February was devoted to establishing parameters for the new mass comparators.

Measurement Standards inspects and tests packages for truth in labeling and the accuracy of measuring devices used commercially. More than 26,000 small weighing devices were tested in 1996-97, and of those, 12.6% were out of compliance. Inspectors examined 50,419 packages and found 11.4% short. Of these 50,419 packages, 25,460 packages were inspected and tested for price verification. The section's large scale testing units tested and inspected 4,494 scales (a 14.3% decrease), while rejecting 51.6% of the scales tested. The decrease was due to down time on three large test units, 593 hours between the three trucks.

Fruit and Vegetable Inspection Section

The Fruit and Vegetable Inspection program is a cooperative effort by the U.S. Department of Agriculture and the Colorado Department of Agriculture to assure consumers of high quality Colorado produce. The program operates under federal standards, rules and regulations to provide official inspection, grading, and certification of produce quality, condition, size and other pertinent factors of fresh fruits and vegetables grown in the state.

Mandatory produce inspection is required by statute to promote quality standards which depict certain Colorado produce as desirable products in the marketplace. Non-mandatory inspections are conducted on other commodities for shippers which wish to market an inspected product. Inspection certificates are issued by the state to certify grade and condition of the product at the time of inspection.

In 1996-97, the section inspected an estimated 20,800,000 hundredweight (cwt.) of potatoes and 67,700 bushels of peaches, resulting in the issuance of approximately 25,000 certificates of mandatory inspection for the commodities under mandatory inspection. Other fruits and vegetables inspected totaled 598,000 cwt. resulting in 500 certificates issued for non-mandatory commodities.

Division of Animal Industry

Jerry J. Bohlender, DVM, Director

The Division of Animal Industry is responsible for animal health and disease control activities in Colorado. The division works in close cooperation with the livestock industry and veterinary medical organizations, as well as other state and federal agencies, to protect the health, welfare, and marketability of Colorado livestock. The Division is composed of five different sections: Veterinary, Bureau of Animal Protection, Brucellosis Lab, Pet Care and Rodent Control. The division has 20 employees.

Veterinary Section

The Veterinary Section is responsible for monitoring and controlling brucellosis and other contagious diseases in livestock, captive alternative livestock and in other animals which can infect livestock and/or captive alternative livestock. The staff concentrates on diseases that are a threat to public health, are not easily controlled by individual livestock owners, and would significantly impact the more than \$3 billion livestock economy in Colorado. Disease surveillance programs at slaughter plants and at livestock concentration points are conducted in cooperation with the USDA. The division controls diseases through inspections, vaccinations, treatments, and other activities.

Colorado has been a *Brucellosis Free State* since January of 1995. Colorado achieved this Brucellosis Free State Status by not having any brucellosis infected cattle herds in the state. Free status is maintained by active surveillance at slaughter to assure the absence of brucellosis infected herds. Colorado's participation in the National Brucellosis Eradication Program is significant in light of the 1999 target date for eradication of the disease in the United States. Nationwide, only 34 specific locations remain under quarantine for brucellosis.

Colorado also participates in the National Swine Pseudorabies Eradication program. Colorado attained Stage V (free) status on April 1, 1996. Stage V status requires that swine slaughter surveillance be accomplished along with appropriate epidemiology and disease containment, if needed. Colorado's Stage V status is reviewed annually by the USDA, Animal Plant Health Inspection Service (APHIS), Veterinary Services. Free status in both brucellosis and pseudorabies economically benefits producers because a lower level of testing is required; and livestock is more marketable to other states and countries.

An "Emergency Preparedness Program" is being developed in response to the increasing risk of a catastrophic disaster which involves animals. This program will include protocols which are to

be followed in the event of an emergency involving animal disease or environmental disasters. The Emergency Preparedness Program will be integrated into the Colorado State Emergency Plan. Accredited veterinary practitioners offer training in foreign animal diseases, and recruit state brand inspectors to monitor disease in livestock they inspect. Other state agencies have also been recruited to help in the event of an emergency.

To assure sanitation for disease control and clear labels, the Veterinary Section licenses and inspects establishments which process, handle and/or transport inedible meat products for pet foods.

Bureau of Animal Protection

In 1996-1997, the 105 commissioned officers working in the Bureau of Animal Protection (BAP) investigated approximately 310 complaints of animal neglect and cruelty across the state. Brand inspectors, some law enforcement officials and non-profit humane association officials assist with investigations. The Bureau of Animal Protection also conducts training courses with the assistance of law enforcement officials.

Brucellosis Laboratory

The State-Federal Brucellosis Laboratory provides support for livestock disease identification, control, and prevention programs. In 1996-97, nearly 300,000 serological and other tests for livestock diseases were performed on samples received from packing plants, private veterinarians, state and federal field personnel and others. These tests were performed for disease surveillance, interstate movement, and to qualify animals for export to other countries. Lab staff also trains public livestock market veterinarians in test procedures and confirms testing of livestock at markets.

Rodent/Predator Control Section

In Colorado, three million acres of private lands are damaged to some degree by prairie dogs,

gophers, and other rodents. The Animal Industry Division's Rodent/Predator Control Section provides training, services, and supplies to private citizens and local, state, and federal officials to control vertebrate pests. The section assists producers in controlling livestock predator losses through cooperative agreements with federal, state and local agencies and associations. A pilot prairie dog control program using community service labor was successful and will be expanded.

The Division is currently working on a number of levels to increase efficiency in predator control. With the sheep and lamb industry alone suffering \$2.2 million in losses in 1994 from predators, the agriculture department is working on changing regulatory, contractual and inter-agency agreements to increase efficiency.

In 1996-97 the Rodent/Predator Control Section maintained its level of assistance to individuals through telephone and on-site assistance.

Pet Animal Care Facilities Section

Since early 1995, any person who is operating a pet animal facility that engages in selling, transferring, adopting, breeding, boarding, training, grooming, sheltering or rescuing dogs, cats, birds, rabbits, ferrets, reptiles or fish may need to be licensed with the Colorado Department of Agriculture.

The Pet Animal Care Facilities Act (PACFA) gives the Colorado Department of Agriculture the responsibility to license and discipline all pet care facilities with more than 24 pets. The Pet Animal Care Facilities Section is committed to making sure care facilities meet minimum standards for physical facilities, sanitation, ventilation, lighting, heating, cooling, humidity, spatial and enclosure requirements; nutrition, humane care, medical treatment; methods of operation and record keeping. PACFA is funded by license fees. In 1996 - 97, Pet Care Facilities staff inspected 1,250 facilities, issued 1,123 facility licenses, denied three licenses and issued a number of cease and desist orders.

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